

# SERVICE MANUAL

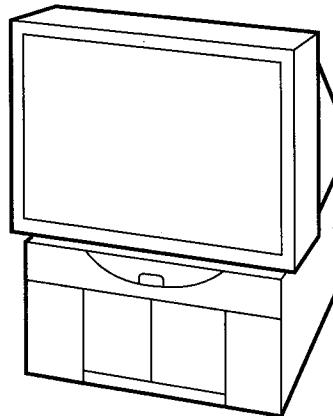
RA-1 CHASSIS

MODEL	COMMANDER	DEST.	CHASSIS NO.	MODEL	COMMANDER	DEST.	CHASSIS NO.
<b>KP-46V25</b>	<i>RM-Y131</i>	<i>US</i>	<i>SCC-H53D-A</i>	<b>KP-61V25</b>	<i>RM-Y131</i>	<i>US</i>	<i>SCC-H53F-A</i>
<b>KP-46V25</b>	<i>RM-Y131</i>	<i>Canadian</i>	<i>SCC-H58E-A</i>				
<b>KP-53V25</b>	<i>RM-Y131</i>	<i>US</i>	<i>SCC-H53E-A</i>				
<b>KP-53V25</b>	<i>RM-Y131</i>	<i>Canadian</i>	<i>SCC-H58D-A</i>				

**Note :**

1. Adjustment Manual for this model is separately published.

	Adjustment Manual
Part No.	9-965-053-01



Note: All Corrections and Supplements are attached  
to the back of the Manual.



COLOR REAR VIDEO PROJECTOR  
**SONY**®

\* Please file according to model size. .... ■

## SPECIFICATIONS

Projection system	3 picture tubes, 3 lenses, horizontal in-line system	AUDIO (VAR/FIX) OUT (phono jacks) :
Picture tube	7 inch high-brightness monochrome tubes (6.3 raster size), with optical coupling and liquidcooling system	900 mVrms (100% modulation) Impedance : 5 kilohms
Projection lenses	High performance, large-diameter hybrid lens F1.0	Speaker : Full range speaker 100 mm (3.9 inches) diameter
Screen size (measured diagonally)	KP-46V25 46 inches KP-53V25 53 inches KP-61V25 61 inches	Speaker output : 10 W x 2 Power requirement : 120 V, 60 Hz Power consumption : Max. 240 W
Screen brightness	KP-46V25 1500 cd/m <sup>2</sup> KP-53V25 1200 cd/m <sup>2</sup> KP-61V25 900 cd/m <sup>2</sup>	Standby mode : 4W
Television system	American TV standards	Dimensions (W/H/D)
Channel coverage	VHF : 2-13 / UHF : 14-69 / CATV : 1-125	KP-46V25 1,066 x 1,334 x 698 mm (42 x 52 5/8 x 27 1/2 inches) 92 kg (202 lbs 13 oz)
Antenna	75 ohm external antenna terminal for VHF/UHF	KP-53V25 1,218 x 1,441 x 698 mm (48 x 56 3/4 x 27 1/2 inches) 99 kg (218 lbs 4 oz)
Inputs/output	<p>VIDEO IN 1 S VIDEO IN (4-pin mini DIN) : Y : 1 Vp-p, 75-ohms unbalanced, sync negative C : 0.286 Vp-p (Burst signal), 75 ohms</p> <p>VIDEO (phone jack) : 1 Vp-p, 75-ohms unbalanced, sync negative</p> <p>AUDIO (phone jacks) : 500 mVrms (100% modulation) Impedance : 47 kilohms</p> <p>VIDEO INPUT 2 and VIDEO IN 3 VIDEO (phone jacks) : 1 Vp-p, 75-ohms unbalanced, sync negative</p> <p>AUDIO (phone jacks) : 500 mVrms (100% modulation) Impedance : 47 kilohms</p> <p>VIDEO OUT 3 VIDEO (phone jacks) : 1 Vp-p, 75-ohms unbalanced, sync negative</p> <p>AUDIO (phone jacks) : 500 mVrms (100% modulation) Impedance : 10 kilohms</p> <p>MONITOR OUT VIDEO (phone jack) : 1 Vp-p, 75-ohms unbalanced, sync negative</p> <p>AUDIO (phone jacks) : 500 mVrms (100% modulation) Impedance : 10 kilohms</p>	<p>Supplied accessories : Remote commander RM-Y131 (1) Size AA (R6) battery (1)</p> <p>Optional accessories : U/V mixer EAC-66 Connecting cables RK-74A, VMC-810S/820S, YC-15V/30V, VMC-720M High-contrast protective screen SCN-46X1 (For KP-46V25) SCN-53X1 (For KP-53V25)</p>
		Mass
		KP-46V25 (202 lbs 13 oz)
		KP-53V25 (218 lbs 4 oz)
		KP-61V25 (341 lbs 12 oz)
		Design and specifications are subject to change without notice.

## SAFETY CHECK-OUT

( US model only )

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

1. Check the area of your repair for unsoldered or poorly-soldered connections. Check the entire board surface for solder splashes and bridges.
2. Check the interboard wiring to ensure that no wires are "pinched" or contact high-wattage resistors.
3. Check that all control knobs, shields, covers, ground straps, and mounting hardware have been replaced. Be absolutely certain that you have replaced all the insulators.
4. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
5. Look for parts which, through functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
6. Check the line cords for cracks and abrasion. Recommend the replacement of any such line cord to the customer.
7. Check the condition of the monopole antenna (if any). Make sure the end is not broken off, and has the plastic cap on it. Point out the danger of impalement on a broken antenna to the customer, and recommend the antenna's replacement.
8. Check the B+ and HV to see they are at the values specified. Make sure your instruments are accurate; be suspicious of your HV meter if sets always have low HV.
9. Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

### LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5mA (500 microamperes). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

### HOW TO FIND A GOOD EARTH GROUND

A cold-water pipe is guaranteed earth ground; the cover-plate retaining screw on most AC outlet boxes is also at earth ground. If the retaining screw is to be used as your earth-ground, verify that it is at ground by measuring the resistance between it and a cold-water pipe with an ohmmeter. The reading should be zero ohms. If a cold-water pipe is not accessible, connect a 60-100 watts trouble light (not a neon lamp) between the hot side of the receptacle and the retaining screw. Try both slots, if necessary, to locate the hot side of the line, the lamp should light at normal brilliance if the screw is at ground potential. (See Fig. B)

*To Exposed Metal Parts on Set*

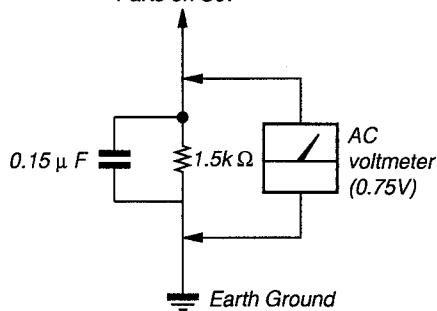


Fig. A. Using an AC voltmeter to check AC leakage.

*Trouble Light*

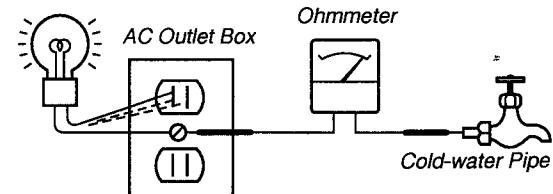


Fig. B. Checking for earth ground.

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(CAUTION)

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.

WARNING!!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS.

THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK  $\Delta$  ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL TO SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

(ATTENTION)

APRES AVOIR DECONNECTE LE CAP DE L'ANODE, COURTICUIER L'ANODE DU TUBE CATHODIQUE ET CELUI DE L'ANODE DU CAP AU CHASSIS METALLIQUE DE L'APPAREIL, OU AU COUCHE DE CARBONE PEINTE SUR LE TUBE CATHODIQUE OU AU BLINDAGE DU TUBE CATHODIQUE.

ATTENTION!!

AFIN D'EVITER TOUT RISQUE DE ELECTROCUTION PROVENANT D'UN CHASSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISE LORS DE TOUT DEPANNAGE. LE CHASSIS DE CE RECEPTEUR EST DIRECTEMENT RACCORDE A L'ALIMENTATION SECTEUR.

ATTENTION AUX COMPOSANTS RELATIFS A LA  
SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÉS PAR UNE TRAME ET PAR UNE MAPQUE  $\Delta$  SUR LES SCHÉMAS DE PRINCIPE, LES VUES EXPLOSÉES ET LES LISTES DE PIÈCES CONT D'UNE IMPORTANCE CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMÉRO DE PIÈCE EST INDICUÉ DANS LE PRÉSENT MANUEL OU DANS DES SUPPLÉMENTS PUBLIÉS PAR SONY. LES RÉGLAGES DE CIRCUIT DONT L'IMPORTANCE EST CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT SONT IDENTIFIÉS DANS LE PRÉSENT MANUEL. SUIVRE CES PROCÉDURES LORS DE CHAQUE REMPLACEMENT DE COMPOSANTS CRITIQUES, OU LORSQU'UN MAUVAIS FONCTIONNEMENT EST SUSPECTÉ.

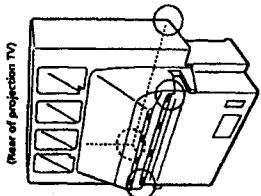
## SECTION 1 GENERAL

### Getting Started

## Step 1: Installing the projection TV

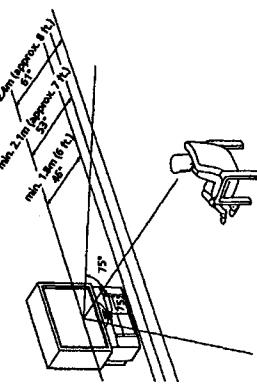
### Carrying your projection TV

Be sure to grasp the portions indicated when carrying the projection TV, and to use more than two people.

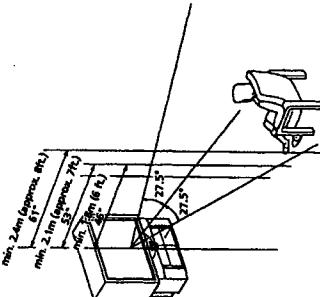


For the best picture quality, install the projection TV within the areas shown below.

### Optimum viewing area (Horizontal)



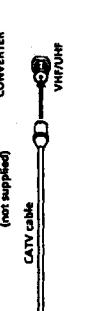
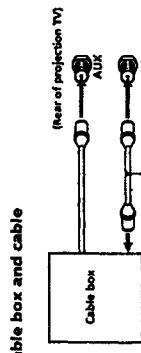
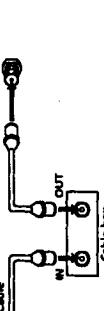
### Optimum viewing area (Vertical)



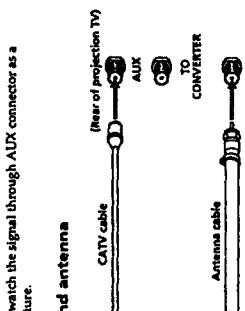
The operating instructions mentioned here are partial abstracts from the Operating Instruction Manual. The page numbers of the Operating Instruction Manual remain as in the manual.

## Step 2: Connections

### Connecting an antenna/cable TV system without a VCR



To cable box  
If your cable company requires you to connect a cable box, make the connection as follows:



Note  
• Do not connect anything to the TO CONVERTER connector in this case.

Although you can use either an indoor antenna or outdoor antenna with your projection TV, we recommend connecting to an outdoor antenna or a cable TV system for improved picture quality.

### To an antenna

Connect your antenna cable to the 'VHF/UHF antenna terminal'. If you cannot connect your antenna cable directly to the terminal, follow one of the instructions below depending on your cable type.

### Preparing for your projection TV

Before you use your projection TV, adjust convergence. For the procedure, see "Step 4: Setting up the projection TV automatically (AUTOSET UP)" on page 13.



Notes  
• Most VHF/UHF combination antennas have a signal splitter. Remove the splitter before attaching the appropriate connector.  
• If you use the U/V mixer, snow and noise may appear in the picture when viewing cable TV channels over 57 (W+1).

Pay cable TV systems use scrambled or encoded signals requiring the cable box in addition to the normal cable connection.  
• The cable box will be supplied by the cable company.

Note  
• You cannot watch the signal through AUX connector as a window picture.

### To cable and antenna



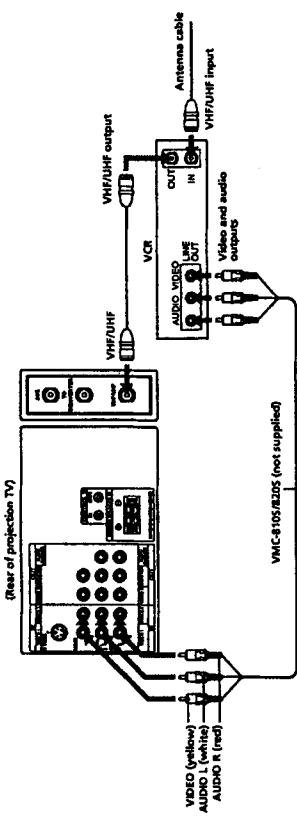
### Connecting an antenna/cable TV system with a VCR

For details on connection, see the instruction manual of your VCR. Before connecting, disconnect the AC power cords of the equipment to be connected.

- View the playback of video tapes
- Record one TV program while viewing another program

#### To a conventional VCR

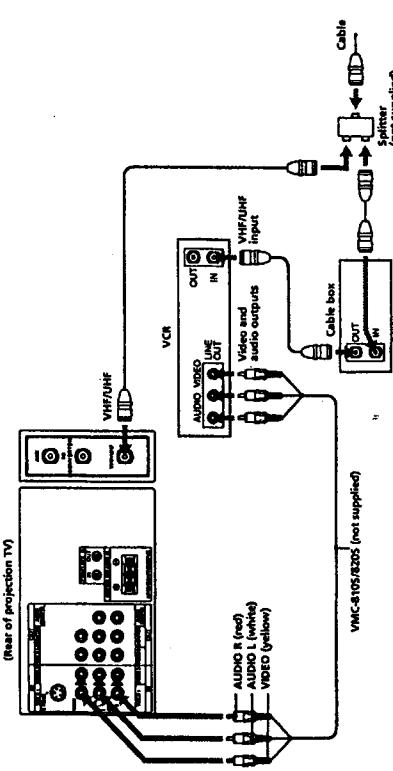
##### Without a cable box



##### Note

- Do not connect the cable to the S VIDEO connector on the projection TV.

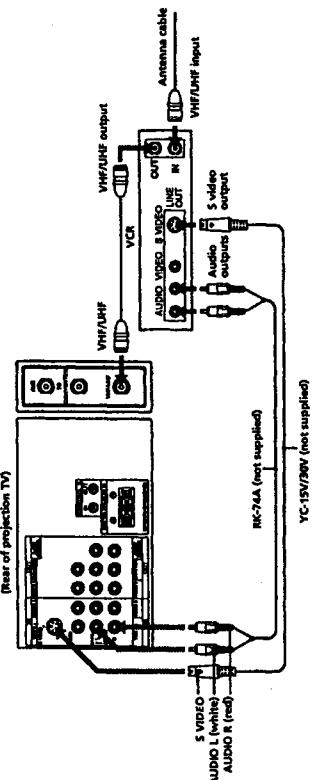
##### With a cable box



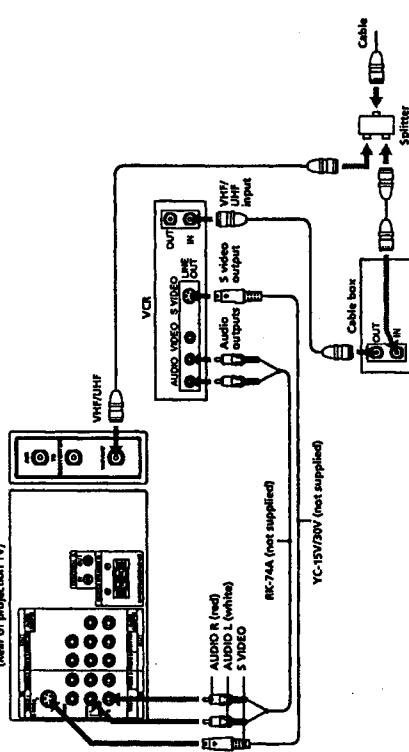
### To an S video equipped VCR

If your VCR has an S video output jack, make the connection as follows. Whenever you connect the cable to the S VIDEO connector, the projection TV automatically receives S video signals.

#### Without a cable box

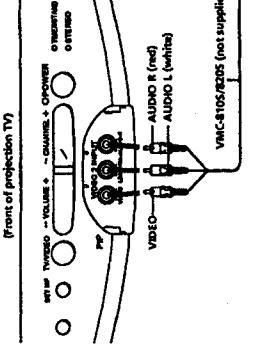


#### With a cable box



### Connecting a camcorder

This connection is convenient for watching the picture from a camcorder.



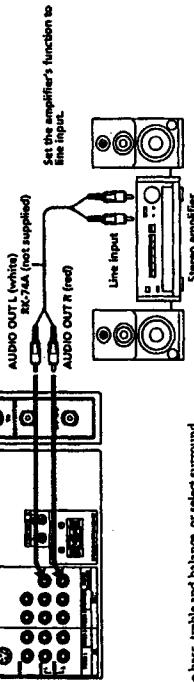
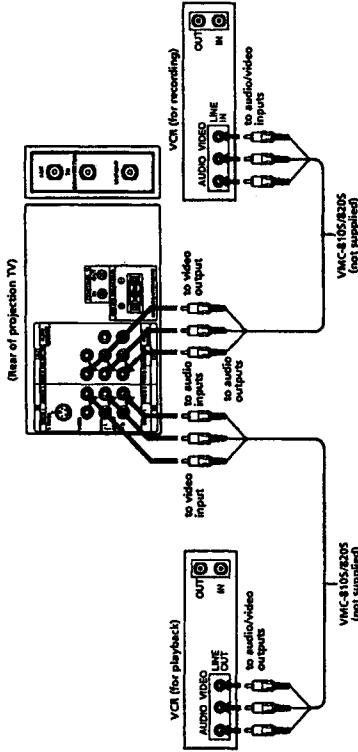
Note

- To connect a monaural camcorder, connect the audio output of the camcorder to AUDIO 2 INPUT on the projection TV.

### Connecting two VCRs for tape editing using VIDEO 3 IN and OUT

You can watch input images different from the image being recorded.

- The VIDEO 3 OUT jacks output only the signal from the VIDEO 3 IN jacks. If you make the connection as shown below, you can watch images from either antenna, cable, VIDEO 1 IN or VIDEO 2 INPUT jacks during recording.

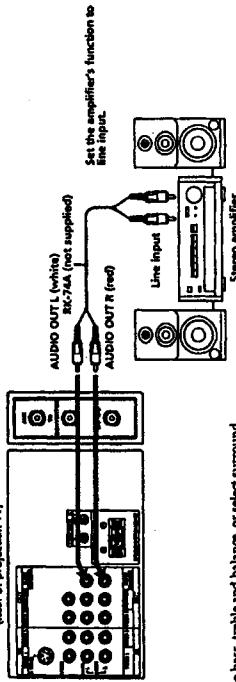


Note

- You can use the 5 VIDEO connector to connect a VCR for playback and either SVIDEO connector or composite video jack to connect a VCR for recording.
- When connecting a single VCR to the projection TV, do not connect MONITOR OUT to the VCR's line input, while at the same time connecting from the projection TV's VIDEO IN jacks to the VCR's line output.

### Connecting an audio system

When connecting audio equipment, see page 25 for more information.

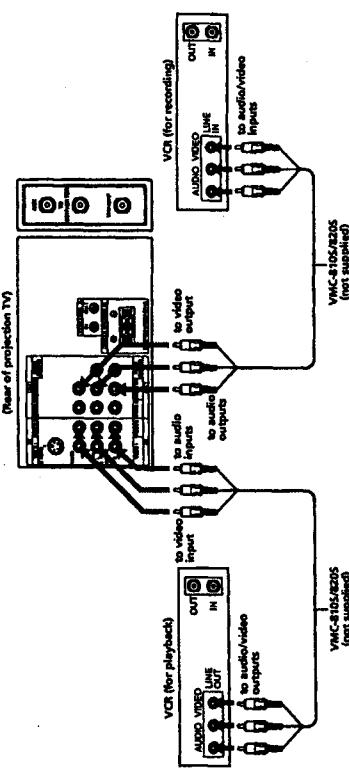


Note

- You can adjust the bass, treble and balance, or select surround, in MTS (Multi-Channel TV Sound) or CSE (Orchestra Set Effect) mode with the supplied remote commander.

### Connecting two VCRs for tape editing using MONITOR OUT

You can record input images displayed on the screen. This type of connection should be used only when you connect from the line input of one VCR, and from the line output of a second VCR.



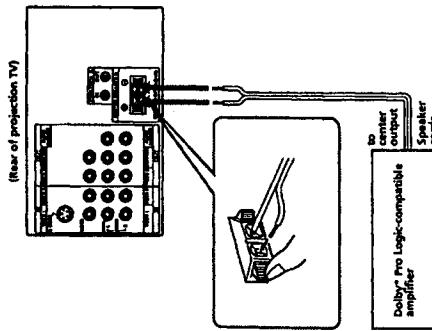
Note

- Do not change the input signal while editing through MONITOR OUT, or the output signal will also change.
- When connecting a single VCR to the projection TV, do not connect MONITOR OUT to the VCR's line input, while at the same time connecting from the projection TV's VIDEO IN jacks to the VCR's line output.

• You can use the 5 VIDEO connector to connect a VCR for playback and either SVIDEO connector or composite video jack to connect a VCR for recording.

- When connecting a single VCR to the projection TV, do not connect MONITOR OUT to the VCR's line input, while at the same time connecting from the projection TV's VIDEO IN jacks to the VCR's line output.

### Using the projection TV speakers as center speakers



This feature allows you to enjoy the benefits of Dolby Pro Logic by using the speakers of the projection TV as the center speaker. To utilize this system, you must connect an amplifier that is Dolby Pro Logic compatible. Connect the speaker wires from the projection TV's CENTER SPEAKER IN. Both right and left terminals must be connected to receive an audio signal. After making the right connections, select "SPEAKER CENTER" in the AUDIO menu (page 25). The left and right audio channels can be heard through your audio system speakers. In this connection, adjust the volume with your amplifier.

- Always match the speaker cord and terminal colors when making the connections.
- Unplug the projection TV when making the connections. If the exposed speaker cord wires touch while the projection TV is plugged in, the projection TV may short-circuit and be damaged.
- Always turn off the speaker cords.
- Always turn off the amplifier power before connecting to the CENTER SPEAKER IN terminals.

#### Notes

Manufactured under license from Dolby Laboratories Licensing Corporation. Additionally licensed under one or more of the following patents: U.S. numbers 3,659,590, Canadian numbers 1,204,603 and 1,013,477. Dolby, "Pro Logic", and the double-D symbol  are trademarks of Dolby Laboratories Licensing Corporation.

## Step 4: Setting up the projection TV automatically (AUTO SET UP)

4 Press CHANNEL+ to preset channels.



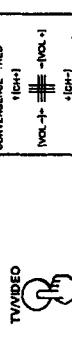
"AUTO PROGRAM" appears on the screen and the TV starts scanning and presetting channels automatically. When all the receivable channels are stored, "AUTO PROGRAM" disappears and the following menu appears. If the projection TV receives cable TV channels, CATV is set to ON automatically.



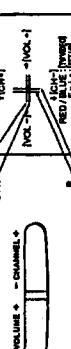
5 Adjust convergence.  
(1) Press CHANNEL+.  
The CONVERGENCE adjustment screen appears.



2 Press TV/VIDEO to turn the projection TV on.  
(1) Press POWER to turn the projection TV on.



3 Press CHANNEL+ to start AUTO SET UP.  
If you prefer Spanish or French to English, you can change the on-screen menu language. Press CHANNEL- for Spanish or VOLUME+ for French.



All of the menus will be set to the factory preset condition in the selected language.

To move horizontal line up/down, press CHANNEL+/-.  
To move vertical line right/left, press VOLUME+/-.

(continued)

(4) Repeat steps (2) and (3) to adjust the other lines until all three lines converge and are seen as a white cross.



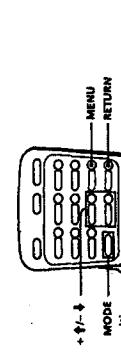
Notes

- If more than 90 seconds elapses after you press a button, the menu disappears automatically.
- In case of using the A/DX connector, press the TV button on the remote commander first and make sure that "A/DX" is displayed beside the channel number on the screen. Then follow steps 2 to 5 above to perform AUTO SET UP.

To preview the main functions (DEMO)  
Press VOL/UMI- in step 3. The functions and menus are displayed one by one.

#### Erasing or adding channels

After AUTO SET UP you can erase unnecessary channels or add the channels you want. Preset channels during the day rather than late at night, when some channels may not be broadcasting.

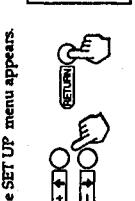


1 Press MENU.

The main menu appears.



2 Press  $\uparrow$  or  $\downarrow$  to move the cursor ( $\blacktriangleright$ ) to SET UP and press RETURN.

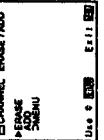


14-EN | Getting Started

3 Make sure the cursor ( $\blacktriangleright$ ) is beside CHANNEL ERASE/ADD and press RETURN.

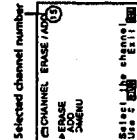
If the cursor is not beside CHANNEL ERASE/ADD, press  $\uparrow$  or  $\downarrow$  to move the cursor and press RETURN.

The CHANNEL ERASE/ADD menu appears.



4 Erase and/or add the channel you want:  
To erase an unwanted channel

- (1) Make sure the cursor ( $\blacktriangleright$ ) is beside ERASE.
- (2) Press CH + or - to select the channel you want to erase.

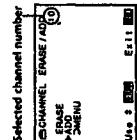


(3) Press RETURN.  
The indication "—" appears beside the channel number, showing that the channel is erased from the preset memory.



To add a channel that you want

- (1) Press  $\uparrow$  or  $\downarrow$  to select ADD.
- (2) Press 0-9 button to select the channel you want to add and press ENTER.



(3) Press RETURN.  
The indication "+" appears beside the channel number, showing that the channel is added to the preset memory.



5 To erase and/or add other channels, repeat step 4.

6 When you finish, press MENU.



Notes

- If you erase or add a VHF or UHF channel, the cable TV channel with the same number is also erased or added, and vice versa.
- If more than 90 seconds elapses after you press a button, the menu disappears automatically.
- Erasing and adding channels are also available for the AUX input.

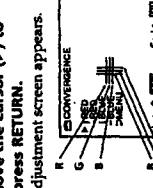
#### Adjusting convergence (CONVERGENCE)

The projection tube image appears on the screen in three layers (red, green and blue). If they do not converge, the color is poor and the picture blurs. To correct this, adjust convergence. You do not have to do this procedure if you execute AUTO SET UP (page 13). Do this procedure only when you want to adjust it manually.

1 Press MENU.

- 2 Press  $\uparrow$  or  $\downarrow$  to move the cursor ( $\blacktriangleright$ ) to SET UP and press RETURN.
- 3 Press  $\uparrow$  or  $\downarrow$  to move the cursor ( $\blacktriangleright$ ) to CONVERGENCE and press RETURN.

The CONVERGENCE adjustment screen appears.



- 4 Press  $\uparrow$  or  $\downarrow$  to select ON or OFF and press RETURN.
- 5 Press MENU to return to the original screen.

Note

- If CABLE appears in black, the projection TV is set to a video input and you cannot select CABLE. Press TV on the remote commander so that a channel number appears.

1 RED: Red vertical line (left/right adjustment)

— RED: Red horizontal line (up/down adjustment)

— BLUE: Blue vertical line (left/right adjustment)

— BLUE: Blue horizontal line (up/down adjustment)

5 Press  $\uparrow$  or  $\downarrow$  to move the line until it converges with the center green line, and press RETURN.



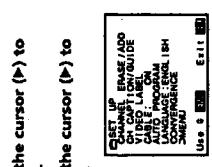
To move up/right, press  $\uparrow$ .  
To move down/left, press  $\downarrow$ .

- 6 Repeat steps 4 and 5 to adjust the other lines until all three lines converge and are seen as a white cross.
- 7 Press MENU to return to the original screen.

#### Setting cable TV on or off

If you have connected the projection TV to a cable TV system, set CABLE to ON, the factory setting. If not, set CABLE to OFF.

You do not have to do this procedure if you execute AUTO SET UP (page 13). Do this procedure only when you want to set it manually.



- 1 Press MENU.
- 2 Press  $\uparrow$  or  $\downarrow$  to move the cursor ( $\blacktriangleright$ ) to SET UP and press RETURN.
- 3 Press  $\uparrow$  or  $\downarrow$  to move the cursor ( $\blacktriangleright$ ) to CABLE and press RETURN.



- 4 Press  $\uparrow$  or  $\downarrow$  to select ON or OFF and press RETURN.
- 5 Press MENU to return to the original screen.

Note

- If CABLE appears in black, the projection TV is set to a video input and you cannot select CABLE. Press TV on the remote commander so that a channel number appears.

1 RED: Red vertical line (left/right adjustment)

— RED: Red horizontal line (up/down adjustment)

— BLUE: Blue vertical line (left/right adjustment)

— BLUE: Blue horizontal line (up/down adjustment)

Getting Started | 15-EN

### Presetting channels

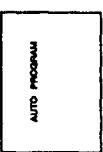
You can preset TV channels easily by AUTO PROGRAM feature. You do not have to do this procedure if you execute AUTO SET UP (page 13). Do this procedure only when you want to set it manually.

#### 1 Press MENU.

2 Press  $\uparrow$  or  $\downarrow$  to move the cursor ( $\blacktriangleright$ ) to SET UP and press RETURN.



3 Press  $\uparrow$  or  $\downarrow$  to move the cursor ( $\blacktriangleright$ ) to AUTO PROGRAM and press RETURN.



4 Press MENU to return to the original screen.

"AUTO PROGRAM" appears on the screen and the projection TV starts scanning and presetting channels automatically. When all the receivable channels are stored, "AUTO PROGRAM" disappears and the lowest numbered channel is displayed.

#### 4 Press MENU to return to the original screen.

##### Note

• Even when you select Spanish or French language, certain parts

of the menus remain in English.

- If AUTO PROGRAM appears in black in the SET UP menu, the projection TV is set to a video input and you cannot select AUTO PROGRAM. Press TV/VIDEO or TV on the remote commander so that a channel number appears.
- If more than 90 seconds elapse after you press a button, the menu disappears automatically.
- Presetting channels is also available for the AUX input.

### Changing the menu language

If you prefer Spanish or French to English, you can change the menu language. You do not have to do this procedure if you execute AUTO SET UP (page 13). Do this procedure only when you want to set it manually.

#### 1 Press MENU.

2 Press  $\uparrow$  or  $\downarrow$  to move the cursor ( $\blacktriangleright$ ) to LANGUAGE and press RETURN.



3 Press  $\uparrow$  or  $\downarrow$  to move the cursor ( $\blacktriangleright$ ) to AUTO PROGRAM and press RETURN.



4 Press  $\uparrow$  or  $\downarrow$  to select the language and press RETURN.

The menu in selected language appears.



If you need to set DAYLIGHT SAVING, follow the procedure on the previous page.

- 3 Make sure the cursor ( $\blacktriangleright$ ) is beside CURRENT TIME SET, and press RETURN.
- If the cursor is not beside CURRENT TIME SET, press  $\uparrow$  or  $\downarrow$  to move the cursor and press RETURN.

#### 2 To display the current time

Press DISPLAY.

**Note**

• If you unplug the projection TV or a power interruption occurs, the clock will be erased. Reset the current time.

### Setting the clock

#### (CURRENT TIME SET)

4 Set the current time.

(1) Press RETURN to start setting the time.

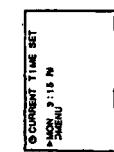


(2) Press  $\uparrow$  or  $\downarrow$  to set the day and press RETURN.



(3) Using  $\uparrow$  or  $\downarrow$  and RETURN, set hour and minute in the same way as in step (2).

When you press RETURN after setting the minute, the clock starts.



(4) Using  $\uparrow$  or  $\downarrow$  and RETURN, set hour and minute in the same way as in step (2).

When you press RETURN after setting the minute, the clock starts.

(5) Press DISPLAY.

Press RETURN.

If you make a mistake while setting the time

Press RESET, then repeat step 4.

To display the current time

Press DISPLAY.

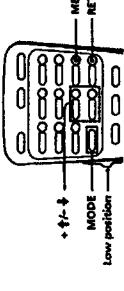


## Setting the timer to turn the projection TV on and off (ON/OFF TIMER)

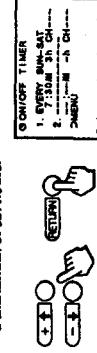
(3) Press  $\uparrow$  or  $\downarrow$  to set the time (hour then minute) that you want to turn on the projection TV and press RETURN.



You can set the projection TV to turn on and off at the time you specify. Make sure the clock is set correctly. If it is not, set the clock first.



(4) Press  $\uparrow$  or  $\downarrow$  to set the hour duration and press RETURN. You can set the hour duration by one hour up to a maximum of six hours.



(5) Press  $\uparrow$  or  $\downarrow$  to select the channel and press RETURN.



The TIMER/STAND BY indicator on the projection TV lights.  
5 To set the other program, press RETURN and repeat step 4.

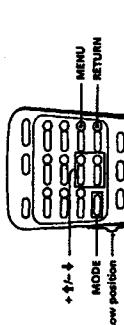
One minute before the projection TV switches to turn off, a message "TV will turn off." is displayed on the screen.

To cancel the timer  
Press RESET on the remote commander.

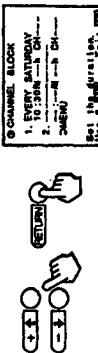
Note  
• If you unplug the projection TV or a power interruption occurs, ON/OFF TIMER setting will be erased. Reset the current time, then set the timer.

## Blocking out a channel (CHANNEL BLOCK)

This feature allows you to prevent children from watching unsuitable programs. Make sure the clock is set correctly. If it is not, set the clock first (page 27).



(3) Press  $\uparrow$  or  $\downarrow$  to set the time (hour then minute) that you want to start blocking the channel and press RETURN.



(4) Press  $\uparrow$  or  $\downarrow$  to select the hour duration you want to block and press RETURN. Each time you press RETURN, the hour duration increases by one hour up to a maximum of 12 hours.



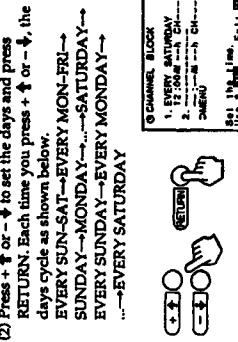
(5) Press  $\uparrow$  or  $\downarrow$  to select the channel and press RETURN.



If you select the blocked channel during the time you set, the message "BLOCKED" appears and the picture is blocked and the sound is muted.

To cancel a CHANNEL BLOCK setting  
Press RESET on the remote commander.

Note  
• If the CHANNEL BLOCK and ON/OFF TIMER settings are overlapped, the later time setting has priority over the other setting.

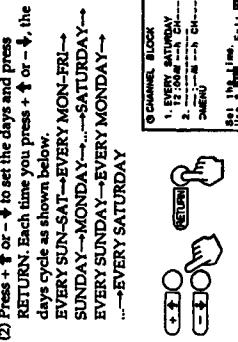


1 Press MENU.

2 Press  $\uparrow$  or  $\downarrow$  to select TIMER/CH BLOCK and press RETURN.

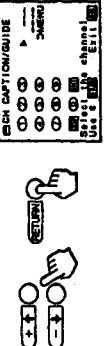
3 Press  $\uparrow$  or  $\downarrow$  to select CHANNEL BLOCK and press RETURN.

4 Enter a CHANNEL BLOCK setting.  
(1) Press  $\uparrow$  or  $\downarrow$  to select program 1 or 2 and press RETURN.  
(2) Press  $\uparrow$  or  $\downarrow$  to set the days and press RETURN. Each time you press  $\uparrow$  or  $\downarrow$ , the days cycle as shown below.  
EVERY SUN-SAT → EVERY MON-FRI → SUNDAY → MONDAY → ... → SATURDAY → EVERY SUNDAY → EVERY MONDAY → ... → EVERY SATURDAY



## Customizing the channel number buttons (CH CAPTION GUIDE)

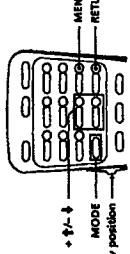
5 Press  $\uparrow$  or  $\downarrow$  to select a channel guide number button and press RETURN. Each time you press  $\uparrow$  or  $\downarrow$ , the channel position changes to red in turns. The channel number button you select will be the one you press to call up your favorite channel.



You can choose up to 12 channels, caption each channel and assign a specific channel number button to each channel. This feature allows you to select your favorite channels easily by name. For example, you can name channel 20 "ESPN," and assign the channel number 4 button to it.

### Setting captions to favorite channels

1 Press MENU.  
2 Press  $\uparrow$  or  $\downarrow$  to select CH CAPTION/GUIDE and press RETURN.  
3 Press  $\uparrow$  or  $\downarrow$  to select the remaining letters (numbers) and press RETURN.



4 Press RETURN again.  
To cancel the CHANNEL GUIDE menu  
Press CH GUIDE again.

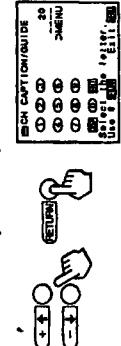


8 Repeat steps 4 to 7 to caption other channels.  
To erase a caption  
Press RESET after step 4.

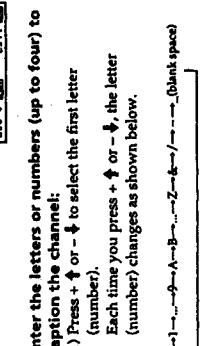
#### Notes

- The position number you already selected appears in yellow.
- If the CH CAPTION/GUIDE menu appears in black, the projection TV is set to a video input, and you cannot select CH CAPTION/GUIDE. Press TV so that a channel number appears.
- If more than 90 seconds elapse after you press a button, the menu disappears automatically.
- The channel caption/guide feature is available for the AUX input.

6 Press  $\uparrow$  or  $\downarrow$  to select the channel that you want to caption and press RETURN.

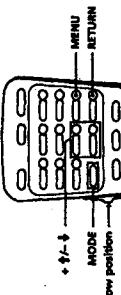


7 Enter the letters or numbers (up to four) to caption the channel:  
(1) Press  $\uparrow$  or  $\downarrow$  to select the first letter (number).  
Each time you press  $\uparrow$  or  $\downarrow$ , the letter (number) changes as shown below.

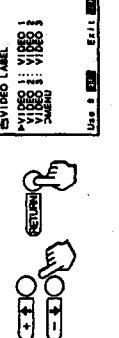


## Setting video labels (VIDEO LABEL)

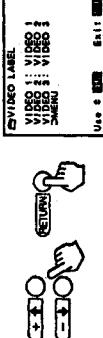
This feature allows you to label each input mode so that you can easily identify the connected equipment. For example, you can label VIDEO 1 IN as VHS.



1 Press MENU.  
2 Press  $\uparrow$  or  $\downarrow$  to select SET UP and press RETURN.  
3 Press  $\uparrow$  or  $\downarrow$  to select VIDEO LABEL and press RETURN.



4 Press  $\uparrow$  or  $\downarrow$  to select the input mode you want to label and press RETURN.



1 Press CH GUIDE.  
The CHANNEL GUIDE menu appears showing channel captions and the corresponding channel number buttons.



2 Press a channel number button, the DISPLAY or ENTER button to select the channel you want.



3 Repeat steps (1) and (2) to select the remaining letters (numbers) and press RETURN.

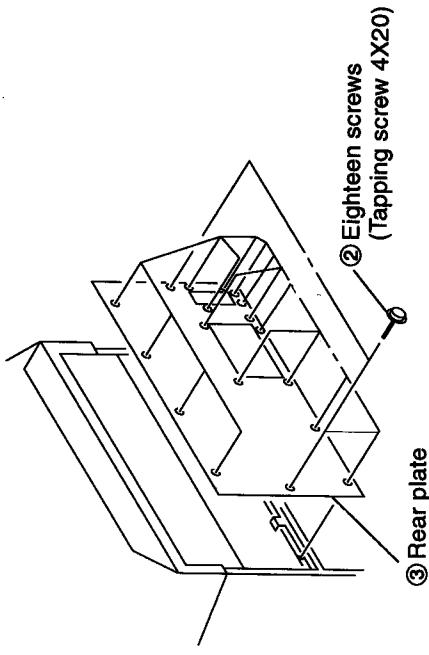


To cancel the CHANNEL GUIDE menu  
Press CH GUIDE again.

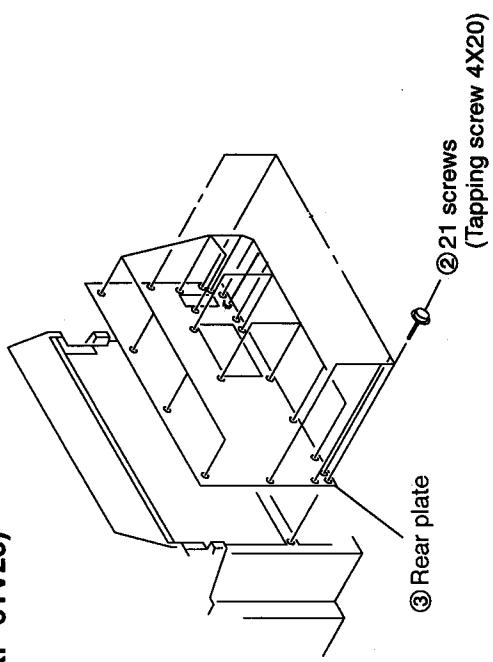


## SECTION 2 DISASSEMBLY

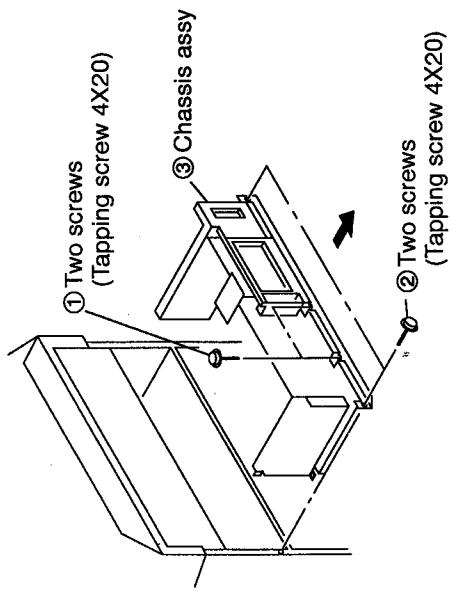
### 2-1. REAR PLATE REMOVAL (KP-46V25/53V25)



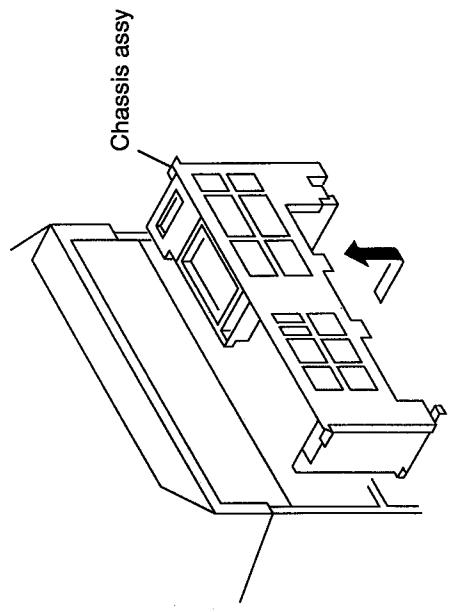
### 2-1-2. REAR PLATE REMOVAL (KP-61V25)



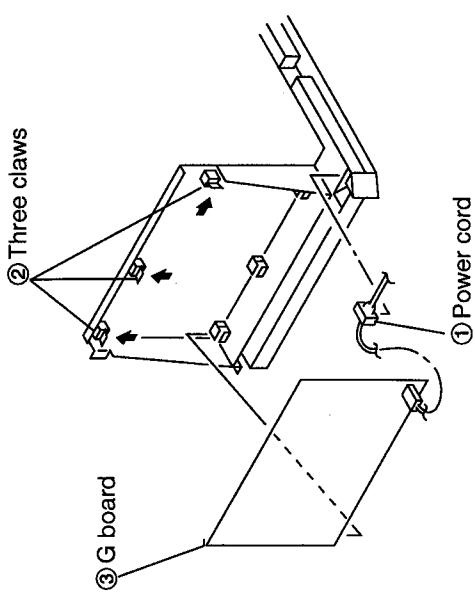
### 2-2. CHASSIS ASSY REMOVAL



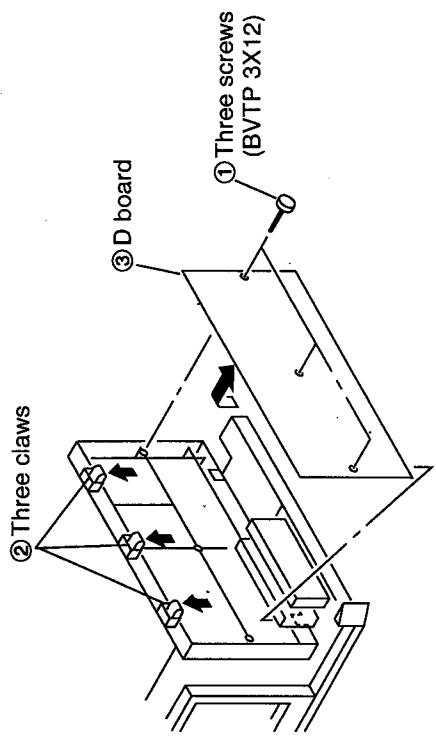
### 2-3. SERVICE POSITION Remove the chassis assy (Refer to 2-2.)



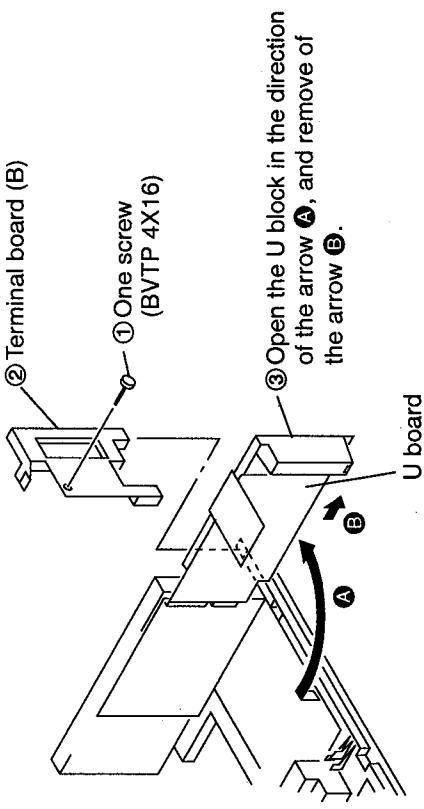
## 2-4. G BOARD REMOVAL



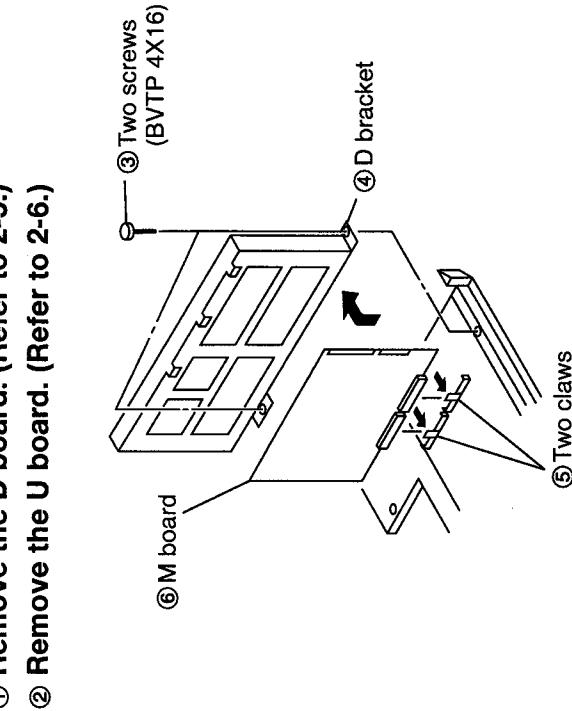
## 2-5. D BOARD REMOVAL



## 2-6. U BOARD REMOVAL

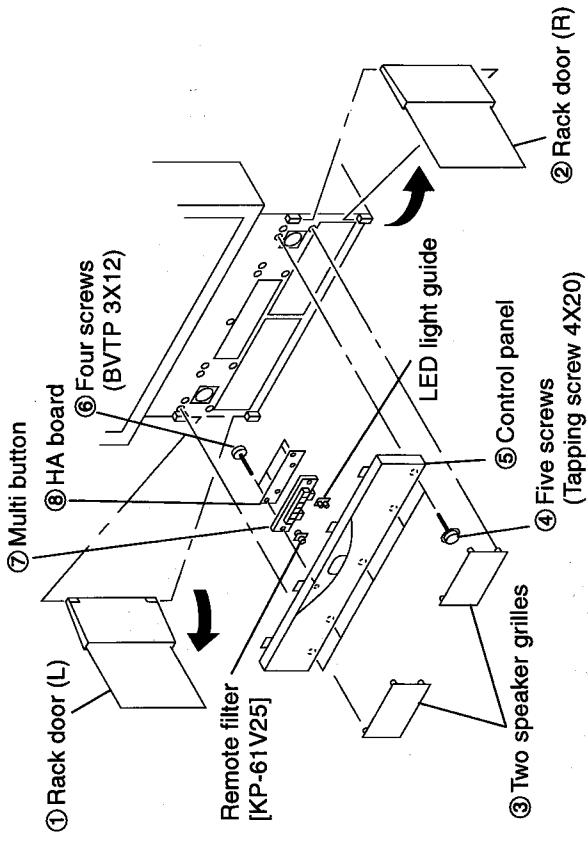


## 2-7. M BOARD REMOVAL

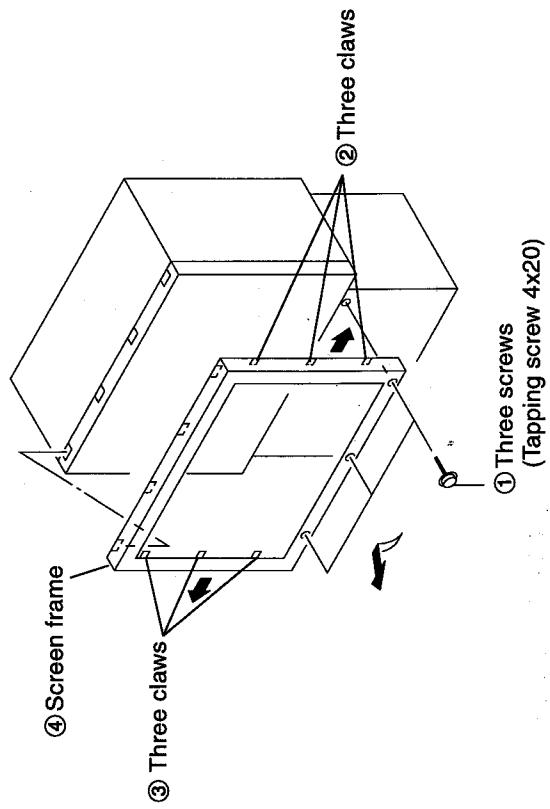


## 2-8. HA BOARD REMOVAL

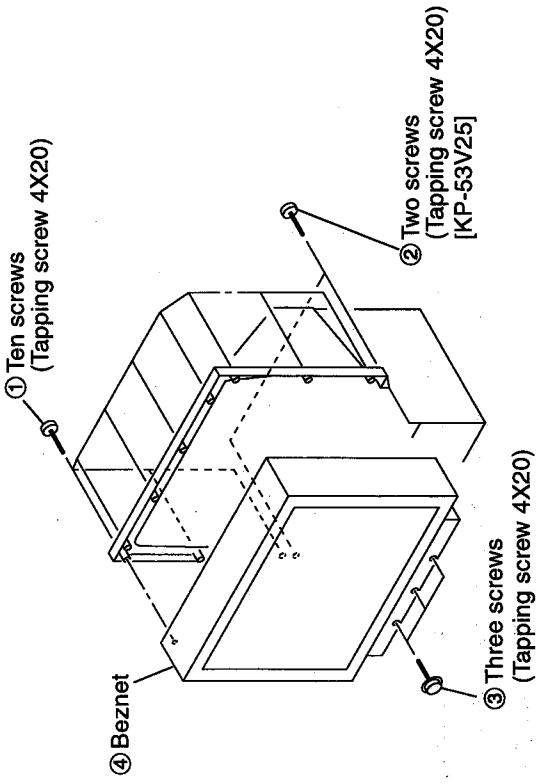
### 2-9-1. BEZNET REMOVAL [KV-46V25/53V25]



### 2-9-2. SCREEN FRAME REMOVAL [KP-61V25]



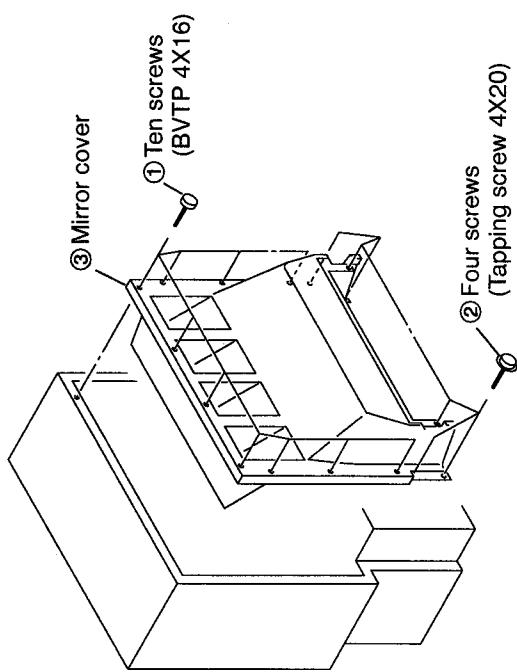
### 2-10-1. MIRROR COVER REMOVAL [KP-46V25/53V25]



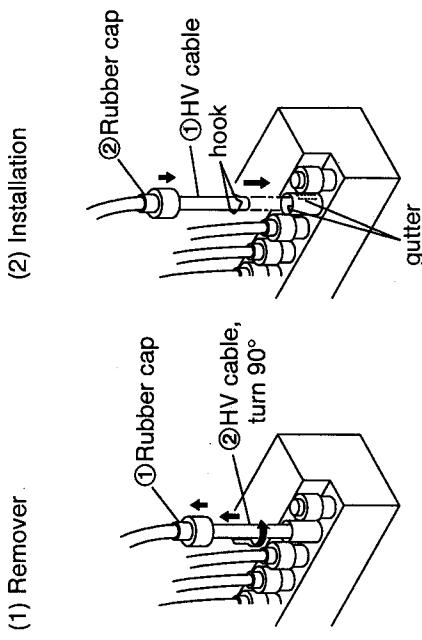
⑤ Mirror cover  
⑥ Ten screws (Tapping screw 4X20)  
⑦ Two screws (Tapping screw 4X20) [KP-53V25]

⑧ Four screws (Tapping screw 4X20)  
⑨ Two screws (Tapping screw 4X20) [KP-53V25]

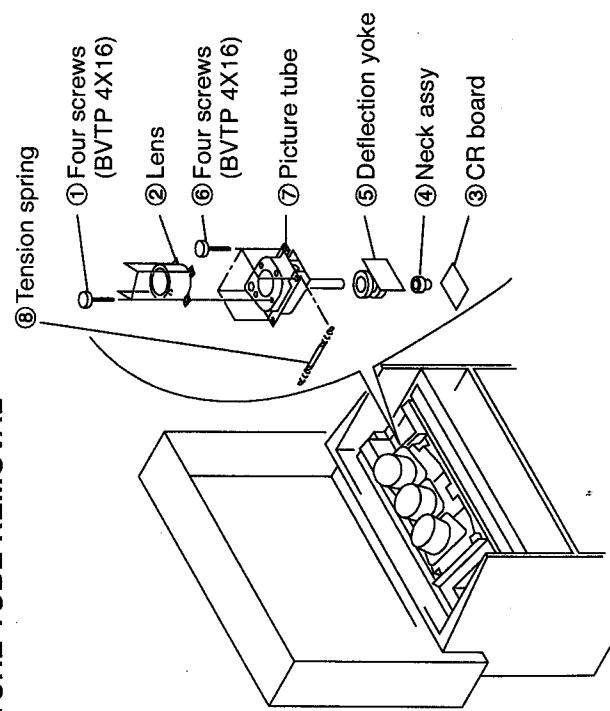
2-10-2. MIRROR COVER REMOVAL  
[KP-61V25]



2-11. HIGH-VOLTAGE CABLE INSTALLATION AND REMOVAL

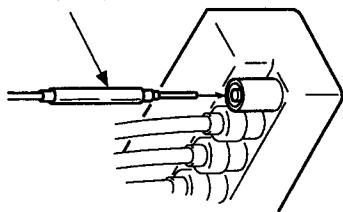
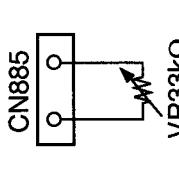


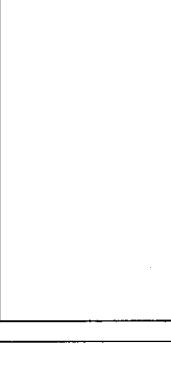
2-12. PICTURE TUBE REMOVAL

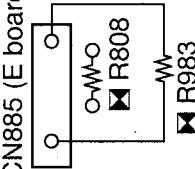


### SECTION 3

#### SAFETY RELATED ADJUSTMENTS

ADJUSTMENT ITEM AND PROCEDURE	EQUIPMENT AND SIGNAL	MEASUREMENT POSITION	ADJUSTMENT LOCATION	ILLUSTRATION AND SHAPE AND NUMBER
<b>HV HOLD DOWN CIRCUIT OPERATIONS CHECK AND ADJUSTMENT (*<input checked="" type="checkbox"/> RESISTOR)</b>		<p>* <input checked="" type="checkbox"/> marked parts</p> <p>C818, D804, D806, D809, D909, D912, Q915, R809, R855, R856, R857, R858, R954, R955, R983, R984, R988, R991, R995, R996, R998, T803, FBT</p> <p>..... E board</p> <p>HV Block</p> <p>* HV Block</p>	<p>* <input checked="" type="checkbox"/> R809, R988</p> <p>* Static Voltmeter</p> <p>1. Remove the cap for the unconnected pin in the *high-voltage block and connect a *Static Voltmeter.</p> <p>2. Input 130 VAC power.</p> <p>3. Receive the *Dot signal and set the *PICTURE and BRIGHTNESS settings to their minimums.</p> <p>4. Connect a *33 k<math>\Omega</math> variable resistor across the E board *CN885 connector (with the variable resistor set to its maximum).</p>	<p>E BOARD - COMPONENT SIDE -</p> <p></p> <p></p> <p></p>

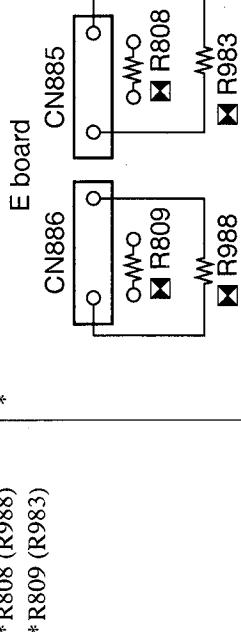
ADJUSTMENT ITEM AND PROCEDURE	EQUIPMENT AND SIGNAL	MEASUREMENT POSITION	ADJUSTMENT LOCATION	ILLUSTRATION AND SHAPE AND NUMBER
<p>5. Gradually lower the value of the variable resistor and check that the hold down circuit operates at a Static Voltmete reading of <math>*33.7 \pm 0.8</math> kVDC and that the rasters disappear.</p> <p>6. If the hold down circuit operates and the rasters disappear at a Static Voltmete meter reading of <math>*34.0</math> VDC or higher, remove resistor <b>*R809</b> and mount a <math>*16.0</math> k<math>\Omega</math> 1/4W RN at <b>*R988</b>.</p> <p>If the hold down circuit operates and the rasters disappear at a Static Voltmete reading of <math>*32.0</math> VDC or lower, remove resistor R809 and mount <math>*6.2</math> k<math>\Omega</math> 1/4W RN at <b>*R988</b>.</p> <p>7. Check Item 5 again.</p>				<p><b>*33.7 <math>\pm 0.8</math> kVDC</b></p> <p><b>*34.0 VDC or higher</b> <b>*16.0 k<math>\Omega</math> 1/4W</b></p> <p><b>*32.0 VDC or lower</b> <b>*6.2 k<math>\Omega</math> 1/4W</b></p> <p><b>█ R988</b></p>
				<p><b>* R808, R983</b></p> <p><b>E BOARD – COMPONENT SIDE –</b></p> 
				<p><b>* █ marked parts</b></p> <p>C918, C930, C934, C980, D902, D920, D925, Q909, R808, R851, R929, R936, R939, R942, R944, R945, R946, R947, R950, R960, R965, R967, R971, R975, R976, R982, R983, R985, R998</p> <p><b>..... E Board</b></p> <p><b>HV Block</b> <b>* HV Block</b></p> <p><b>CN886 CN885</b> <b>█ R809 █ R808</b></p> <p><b>CN884</b> <b>█ R808</b></p> <p><b>* PICTURE</b> ..... minimum <b>BRIGHTNESS</b> ..... minimum</p>

ADJUSTMENT ITEM AND PROCEDURE	EQUIPMENT AND SIGNAL	MEASUREMENT POSITION	ADJUSTMENT LOCATION	ILLUSTRATION AND SHAPE AND NUMBER
<p>4. Check that the Static Voltmete reading is <math>*31.0 \pm 0.4</math> kVDC.</p> <p>5. If the Static Voltmete reading is <math>*30.5</math> kV or lower, remove resistor <b>*R808</b> and mount <math>*5.6</math> k<math>\Omega</math> 1/4W RN at <b>*R983</b>.</p> <p>6. If the Static Voltmete reading is <math>*31.4</math> kV or higher, remove resistor <b>*R808</b> and mount <math>*8.2</math> k<math>\Omega</math> 1/4W RN at <b>*R983</b>.</p> <p>7. If the Static Voltmete reading is <math>*32.0</math> kV or higher, remove resistor <b>*R808</b> and mount <math>*10.0</math> k<math>\Omega</math> 1/4W RN at <b>*R983</b>.</p> <p>8. If any of Items 5, 6 or 7 has been implemented, check Item 4 again.</p>			<p><math>*31.0 \pm 0.4</math> kVDC</p> <p><math>*30.5</math> kV or lower  <math>*5.6</math> k<math>\Omega</math> 1/4W  <math>*31.4</math> kV or higher  <math>*8.2</math> k<math>\Omega</math> 1/4W</p> <p><math>*32.0</math> kV or higher  <math>*10.0</math> k<math>\Omega</math> 1/4W</p>	
			<p><b>*R983</b></p> <p><b>*R983</b></p> <p><b>*R983</b></p> <p><b>*R983</b></p>	<p><b>*CN885 (E board)</b></p> <p><b>*CN885</b></p> <p><b>*CN885</b></p> <p><b>*CN885</b></p>

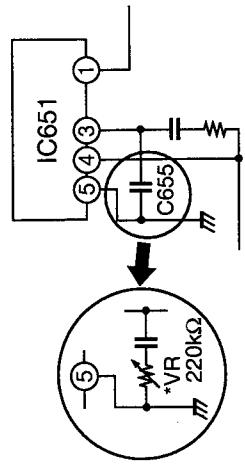
### HV HOLD DOWN AND HV REGULATOR SIMPLE ADJUSTMENT

It is normally desirable that the HV hold down and HV regulation checks use a high-voltage meter. However, sometime one is not available, for example in the field, below is a simple adjustment method.

When replacing parts with the **█** mark, replace both the resistors with the **█** mark **\*R808** (R988) and **\*R809** (R983) with resistors one rank lower in the E-12 series. Do not replace just one of these resistors! Always replace both with resistors one rank lower.

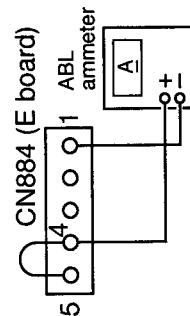


**\*R808 (R988)**  
**\*R809 (R983)**

ADJUSTMENT ITEM AND PROCEDURE	EQUIPMENT AND SIGNAL	MEASUREMENT POSITION	ADJUSTMENT LOCATION	ILLUSTRATION AND SHAPE AND NUMBER
<b>OVERVOLTAGE PROTECTION (OVP) OPERATIONS CHECK</b>				<p>* 120.0 ± 1.0 VAC, 60 Hz</p> <p>* Dot pattern</p> <p>* PICTURE ..... minimum BRIGHTNESS ..... minimum</p> <p>* 143.5 ± 5.5 VDC</p>
	<p>1. Connect a *220 kΩ variable resistance rheostat to the G board C655 (between Pins ③ and ⑤ of IC651).</p> 		<p>* 120.0 ± 1.0 VAC, 60 Hz</p> <p>* Dot signal and set the *PICTURE and BRIGHTNESS settings to their minimums.</p> <p>* Digital Multimeter</p> <p>* Gradually lower the value of the connected variable resistance and check that when the +B line *voltage is *143.5 ± 5.5 VDC, the overvoltage circuit operates and the rasters disappear.</p> <p>* Remove the variable resistor and check the +B line voltage.</p>	<p>* 120.0 ± 1.0 VAC, 60 Hz</p> <p>* PICTURE ..... minimum BRIGHTNESS ..... minimum</p>

#### BEAM CURRENT ( $\Sigma I_k$ ) PROTECTION CIRCUIT CHECK

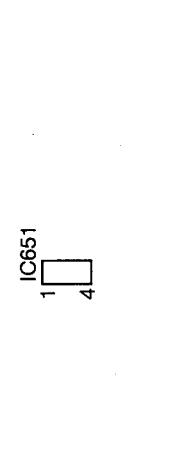
1. Connect the \*ABL ammeter between \*Pins ① and ④ of the CN884 on the E board.  
Have Pins ② and ③ open.



2. Input \*120.0 ± 1.0 VAC, 60 Hz power.  
3. Receive a \*monoscope signal and set the \*PICTURE and BRIGHTNESS settings to their minimums.

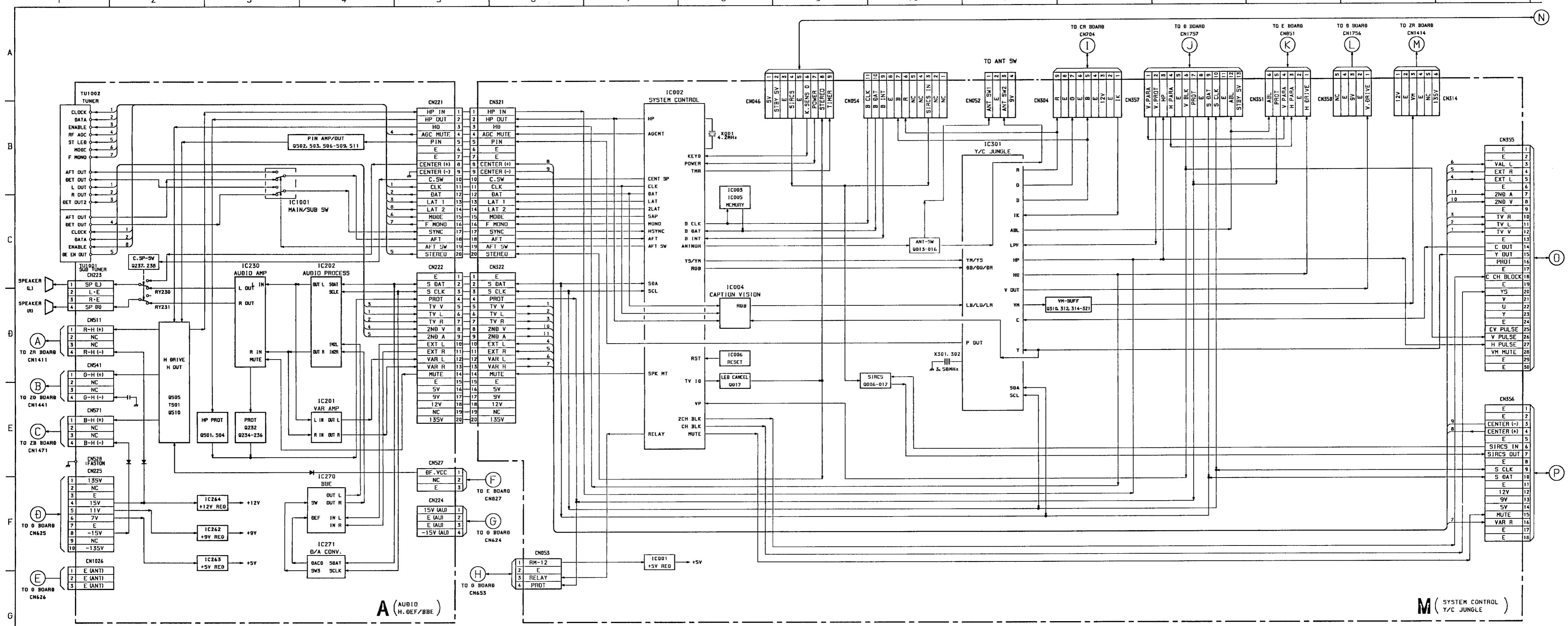
\* 120.0 ± 1.0 VAC, 60 Hz

\* PICTURE ..... minimum  
BRIGHTNESS ..... minimum

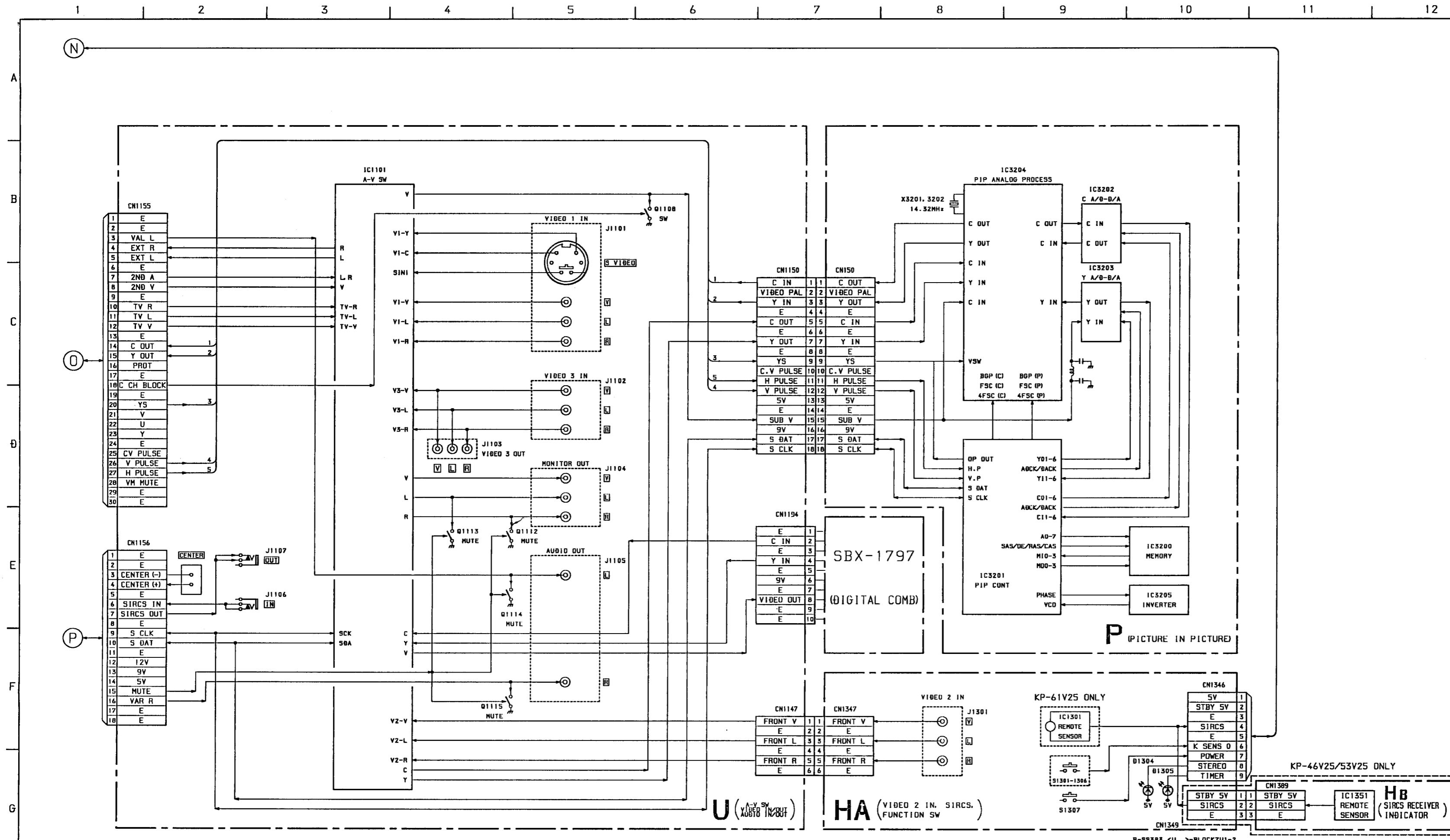
ADJUSTMENT ITEM AND PROCEDURE	EQUIPMENT AND SIGNAL	MEASUREMENT POSITION	ADJUSTMENT LOCATION	ILLUSTRATION AND SHAPE AND NUMBER
<p>4. Gradually raise the *PICTURE and BRIGHTNESS settings and check that below an *ABL current of 3.35 mA (including dark current), the beam current protection circuit operates and the rasters disappear.</p> <p><b>+B, +B MAX CHECK</b></p> <p>When replacing the G board IC651, check the following.</p>		<p>*PICTURE BRIGHTNESS</p> <p>E BOARD - COMPONENT SIDE -</p> 	<p>* Less than 3.35 mA</p> <p>* 120.0 ± 1.0 V, 60 Hz</p> <p>* Dot pattern</p> <p>*PICTURE ..... minimum BRIGHTNESS ..... minimum</p> <p>*CN681 pin ①</p> <p>*CN681 pin ①</p>	<p>* 135.0 ± 2.0 VDC</p> <p>* 130.0 <math>^{+2.0}_{-0}</math> VAC</p> <p>* Less than 137.0 VDC</p>

## SECTION 4 DIAGRAMS

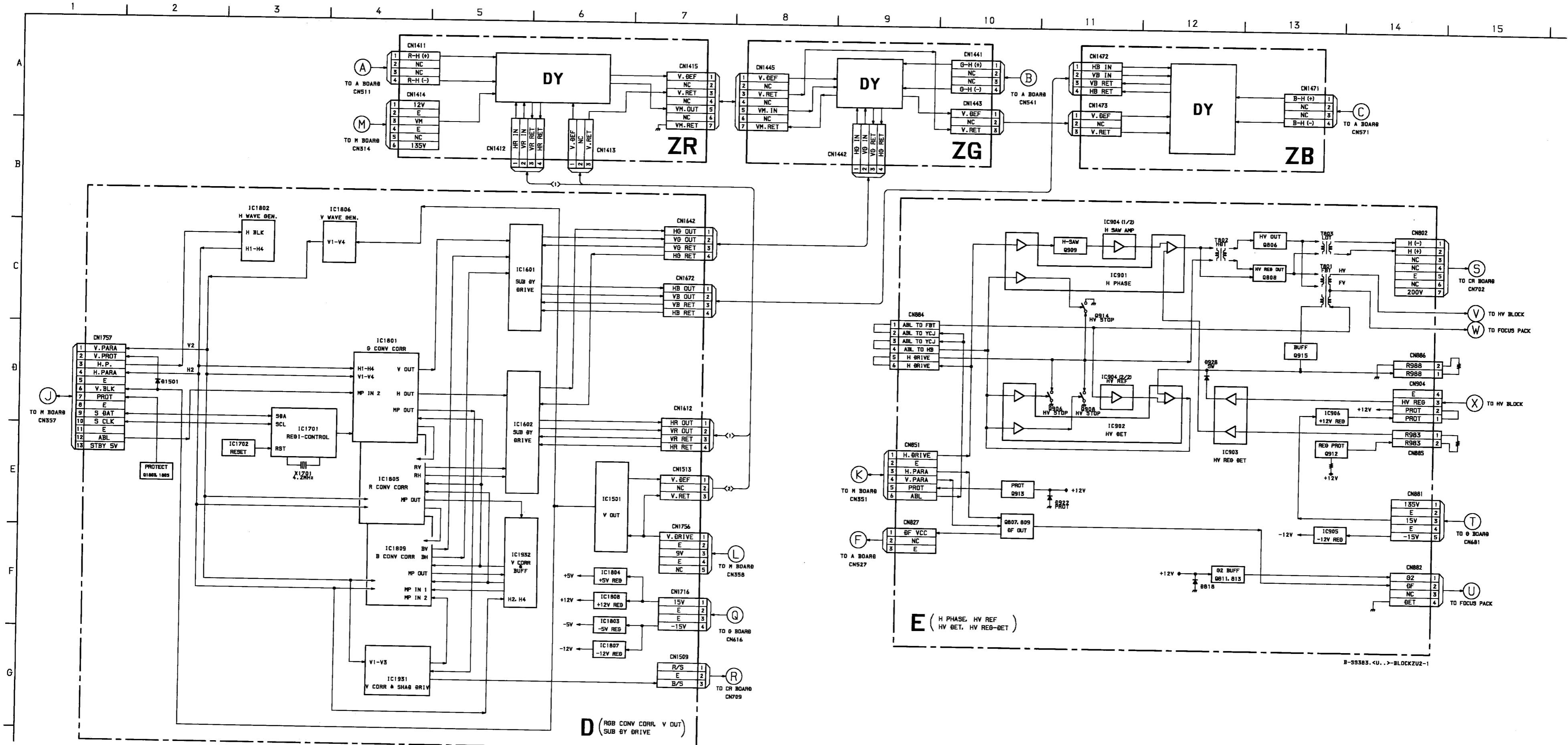
## 4-1. BLOCK DIAGRAMS (1)



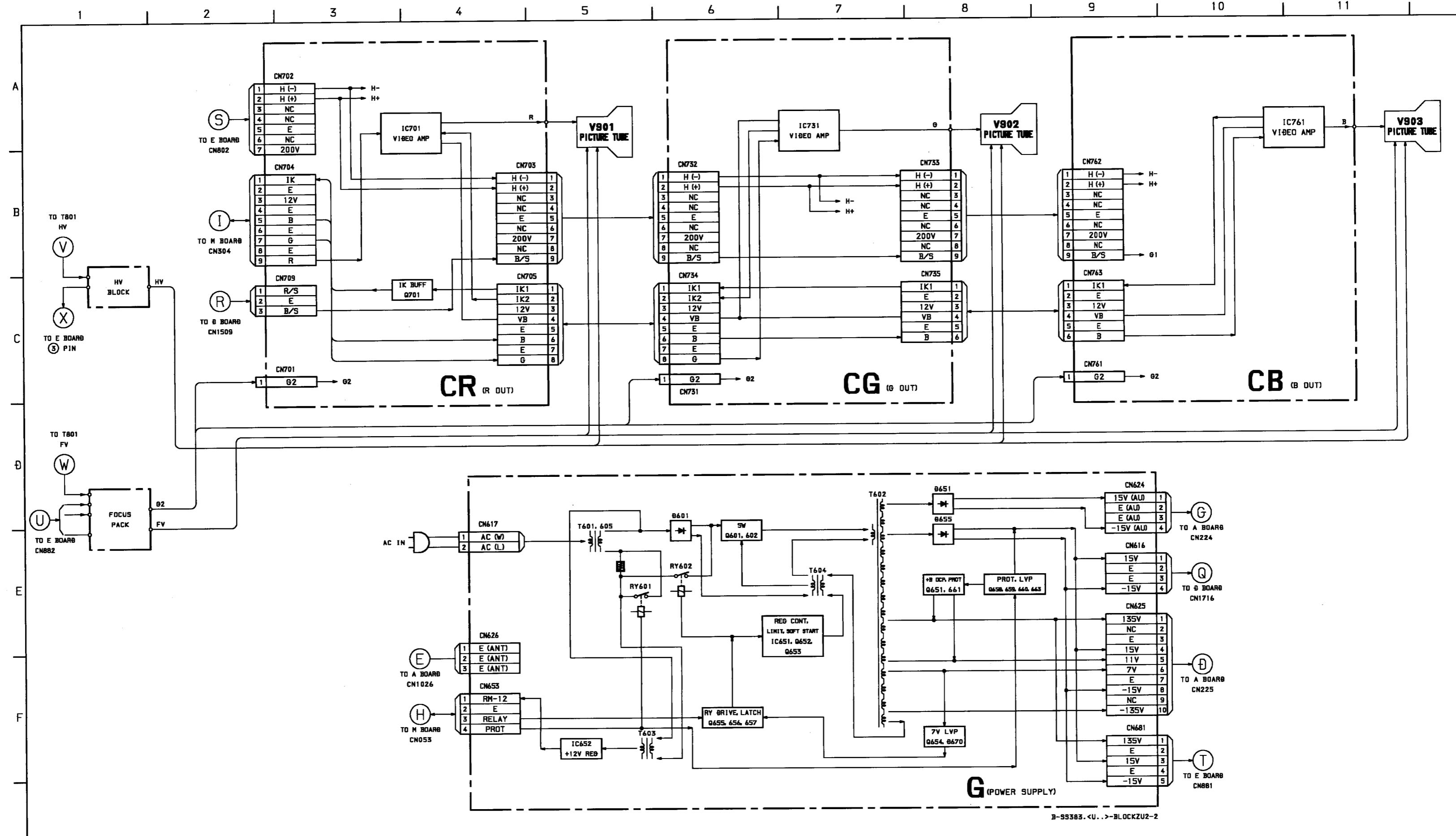
BLOCK DIAGRAMS (2)



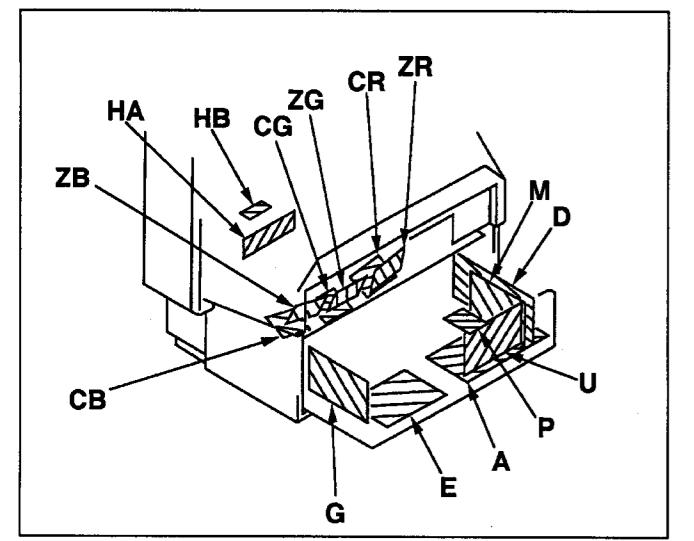
## BLOCK DIAGRAMS (3)



BLOCK DIAGRAMS (4)



## 4-2. CIRCUIT BOARDS LOCATION



## 4-3. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

Note :

- All capacitors are in  $\mu\text{F}$  unless otherwise noted.  $\text{pF}$ :  $\mu\mu\text{F}$  50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in ohms.  
 $\text{k}\Omega = 1000 \Omega$ ,  $\text{M}\Omega = 1000\text{k}\Omega$
- Indication of resistance, which does not have one for rating electrical power, is as follows.

Pitch : 5mm  
Rating electrical power : 1/4W

-  : nonflammable resistor.
-  : fusible resistor.
-  : internal component.
-  : panel designation and adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
-  : earth-chassis.
- The components identified by  in this basic schematic diagram have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.
- When replacing components identified by , make the necessary adjustments indicated. If results do not meet the specified value, change the component identified by  and repeat the adjustment.

until the specified value is achieved.  
(Refer to R808, R809, R983 and R988 adjustment on Page 18-22.)

- When replacing the part in below table, be sure to perform the related adjustment.

Part replaced (☒)	Adjustment (☒)
HV Block Q915, D804, D806, D809, D909, D912, C818, R809, R855, R856, R857, R858, R954, R955, R983, R984, R988, R991, R995, R996, R998, T801 (FBT), T803 .....E BOARD	HV HOLD-DOWN (R809, R988)
HV Block Q909, D902, D920, D925, C918, C930, C934, C980, R808, R851, R929, R936, R939, R942, R944, R945, R946, R947, R950, R965, R967, R971, R975, R976, R982, R983, R985, R998-.....E BOARD	HV Reagurater (R808, R983)

### Reference information

RESISTOR	:	RN	METAL FILM
	:	RC	SOLID
	:	FPRD	NONFLAMMABLE CARBON
	:	FUSE	NONFLAMMABLE FUSIBLE
	:	RW	NONFLAMMABLE WIREWOUND
	:	RS	NONFLAMMABLE METAL OXIDE
	:	RB	NONFLAMMABLE CEMENT
	:	※	ADJUSTMENT RESISTOR
COIL	:	LF-8L	MICRO INDUCTOR
CAPACITOR	:	TA	TANTALUM
	:	PS	STYROL
	:	PP	POLYPROPYLENE
	:	PT	MYLAR
	:	MPS	METALIZED POLYESTER
	:	MPP	METALIZED POLYPROPYLENE
	:	ALB	BIPOLAR
	:	ALT	HIGH TEMPERATURE
	:	ALR	HIGH RIPPLE

- As to the voltage value shown by the semiconductors on the Schematic Diagram, see the another list.
- Readings are taken with a color-bar signal input.
- Readings are taken with a  $10M\Omega$  digital multimeter.
- Voltages are dc with respect to ground unless otherwise noted.
- Voltage variations may be noted due to normal production tolerances.
- All voltages are in V.
- \* : Measurement impossibility.
- Circle numbers are waveform references.
- : B + bus.
- : B - bus.
- : signal path.(RF)

**Note: The symbol  display is on the component side.**

The components identified by shading and mark **Δ** are critical for safety. Replace only with part number specified.

**The symbol  indicate fast operating fuse.  
Replace only with fuse of same rating as marked.**

**Note: Les composants identifiés par un tramé et une  
marque  $\Delta$  sont critiques pour la sécurité. Ne les  
remplacer que par une pièce portant le numéro  
spécifié.**

Le symbole  indique une fusible a action rapide. Doit etre remplacee par une fusible de memo valeur, comme maque.

ARD

IC
B - 9
B - 7
D - 8
A - 3

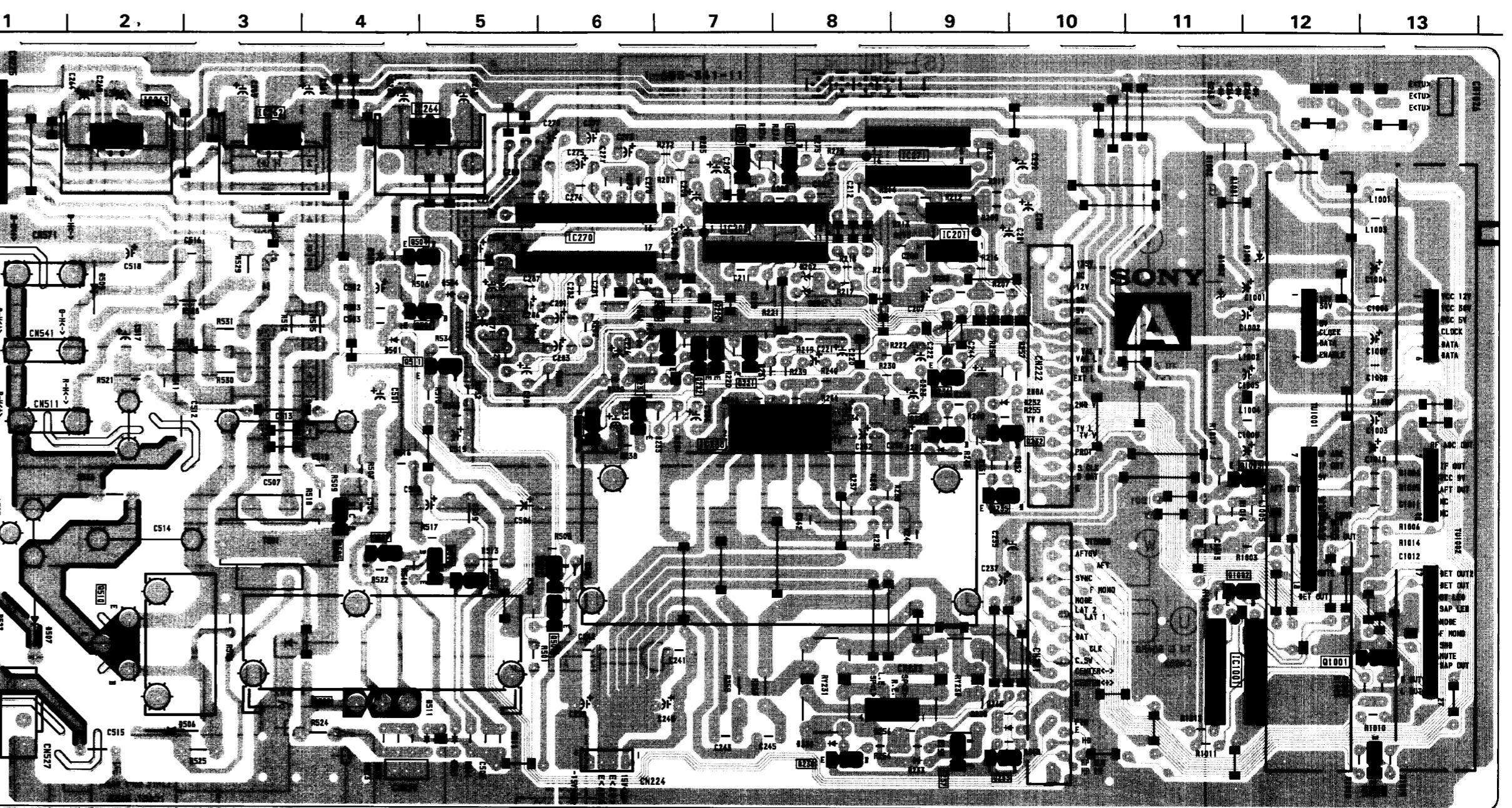
NSISTOR

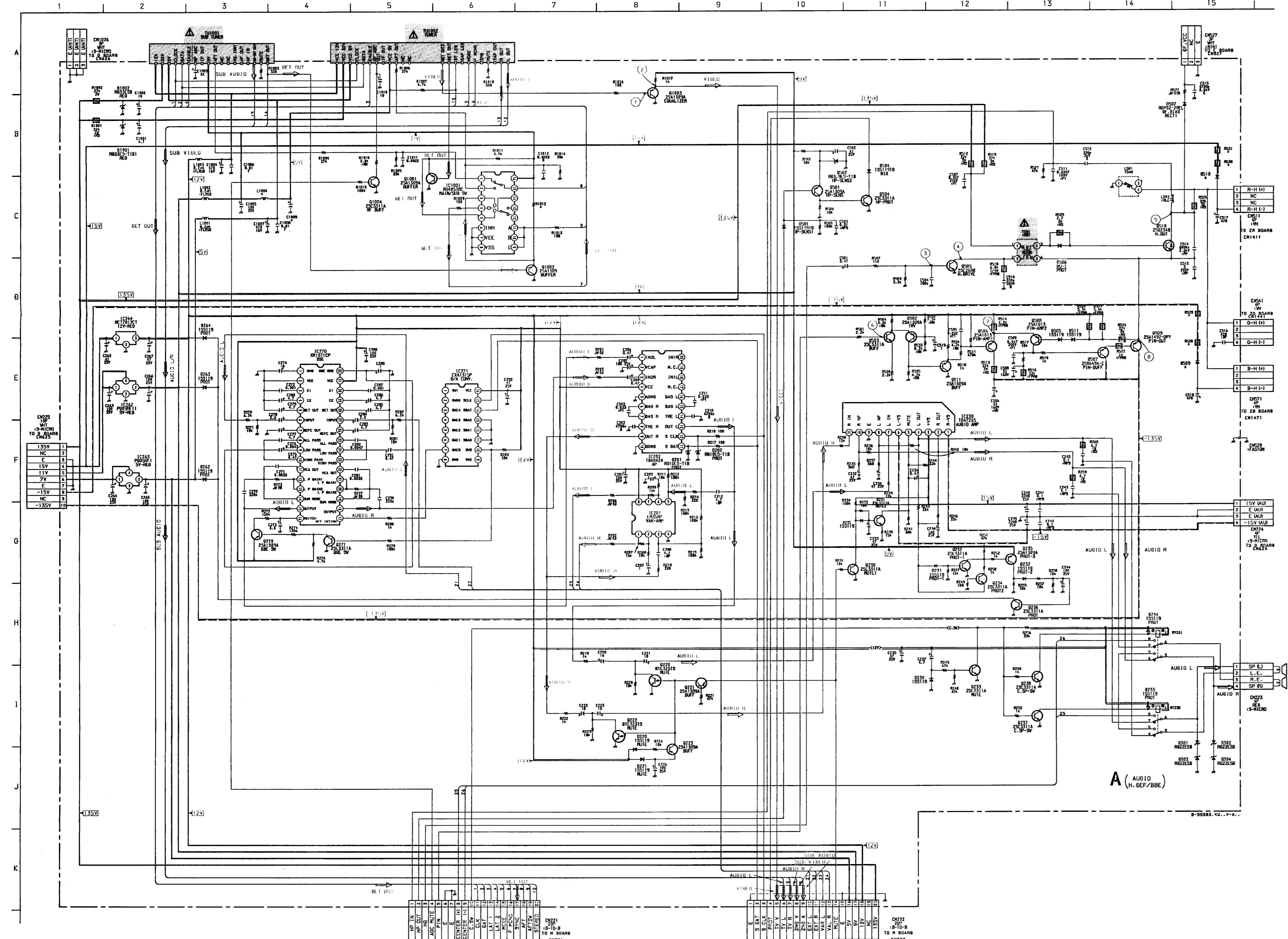
C - 7	<b>B</b>
C - 7	
C - 7	
D - 6	
D - 6	
D - 10	
D - 9	<b>C</b>
E - 10	
D - 9	
C - 5	
E - 6	
E - 6	
B - 5	
E - 4	
E - 5	<b>D</b>
E - 4	
E - 5	
F - 4	
F - 2	
C - 5	
D - 12	<b>E</b>
G - 13	

## DIODE

C - 8	
C - 8	<b>F</b>
D - 6	
C - 6	
F - 9	
D - 9	
D - 10	
F - 9	
F - 8	
D - 6	
A - 12	
A - 11	
A - 12	
C - 4	
B - 4	
C - 5	
G - 5	
G - 3	
F - 1	
C - 2	
C - 3	
G - 5	
B - 12	
C - 11	

**ARD —**





A BOARD IC VOLTAGE LIST							
ALL VOLTAGES ARE IN V							
IC201	1 6.1	3 6.1	5 6.1	7 6.1			
	2 6.1	4 GND	6 6.1	8 12.0			
IC202	1 6.0	5 GND	9 6.1	13 6.1	17 NC		
	2 12.0	6 6.1	10 GND	14 6.1	18 NC		
IC203	3 6.0	7 6.1	11 4.6	15 6.1	19 NC		
	4 12.0	8 6.1	12 4.6	16 6.1	20 NC		
IC204	1 -16.3	4 0	7 0	10 0			
	2 0	5 10.6	8 0	11 0			
IC205	3 15.0	6 -16.3	9 GND				
IC206	1 11.0	2 9.0	3 GND	4 11.0			
IC207	1 7.0	2 5.0	3 GND	4 7.0			
IC208	1 15.0	2 GND	3 12.0				
IC209	1 11.0	2 9.0	3 GND	4 11.0			
IC210	1 6.0	2 GND	3 12.0				
IC211	1 11.0	2 9.0	3 GND	4 11.0			
IC212	1 7.0	2 5.0	3 GND	4 7.0			
IC213	1 15.0	2 GND	3 12.0				
IC214	1 11.0	2 9.0	3 GND	4 11.0			
IC215	1 7.0	2 5.0	3 GND	4 7.0			
IC216	1 15.0	2 GND	3 12.0				
IC217	1 11.0	2 9.0	3 GND	4 11.0			
IC218	1 7.0	2 5.0	3 GND	4 7.0			
IC219	1 15.0	2 GND	3 12.0				
IC220	1 11.0	2 9.0	3 GND	4 11.0			
IC221	1 7.0	2 5.0	3 GND	4 7.0			
IC222	1 15.0	2 GND	3 12.0				
IC223	1 11.0	2 9.0	3 GND	4 11.0			
IC224	1 7.0	2 5.0	3 GND	4 7.0			
IC225	1 15.0	2 GND	3 12.0				
IC226	1 11.0	2 9.0	3 GND	4 11.0			
IC227	1 7.0	2 5.0	3 GND	4 7.0			
IC228	1 15.0	2 GND	3 12.0				
IC229	1 11.0	2 9.0	3 GND	4 11.0			
IC230	1 7.0	2 5.0	3 GND	4 7.0			
IC231	1 15.0	2 GND	3 12.0				
IC232	1 11.0	2 9.0	3 GND	4 11.0			
IC233	1 7.0	2 5.0	3 GND	4 7.0			
IC234	1 15.0	2 GND	3 12.0				
IC235	1 11.0	2 9.0	3 GND	4 11.0			
IC236	1 7.0	2 5.0	3 GND	4 7.0			
IC237	1 15.0	2 GND	3 12.0				
IC238	1 11.0	2 9.0	3 GND	4 11.0			
IC239	1 7.0	2 5.0	3 GND	4 7.0			
IC240	1 15.0	2 GND	3 12.0				
IC241	1 11.0	2 9.0	3 GND	4 11.0			
IC242	1 7.0	2 5.0	3 GND	4 7.0			
IC243	1 15.0	2 GND	3 12.0				
IC244	1 11.0	2 9.0	3 GND	4 11.0			
IC245	1 7.0	2 5.0	3 GND	4 7.0			
IC246	1 15.0	2 GND	3 12.0				
IC247	1 11.0	2 9.0	3 GND	4 11.0			
IC248	1 7.0	2 5.0	3 GND	4 7.0			
IC249	1 15.0	2 GND	3 12.0				
IC250	1 11.0	2 9.0	3 GND	4 11.0			
IC251	1 7.0	2 5.0	3 GND	4 7.0			
IC252	1 15.0	2 GND	3 12.0				
IC253	1 11.0	2 9.0	3 GND	4 11.0			
IC254	1 7.0	2 5.0	3 GND	4 7.0			
IC255	1 15.0	2 GND	3 12.0				
IC256	1 11.0	2 9.0	3 GND	4 11.0			
IC257	1 7.0	2 5.0	3 GND	4 7.0			
IC258	1 15.0	2 GND	3 12.0				
IC259	1 11.0	2 9.0	3 GND	4 11.0			
IC260	1 7.0	2 5.0	3 GND	4 7.0			
IC261	1 15.0	2 GND	3 12.0				
IC262	1 11.0	2 9.0	3 GND	4 11.0			
IC263	1 7.0	2 5.0	3 GND	4 7.0			
IC264	1 15.0	2 GND	3 12.0				
IC265	1 11.0	2 9.0	3 GND	4 11.0			
IC266	1 7.0	2 5.0	3 GND	4 7.0			
IC267	1 15.0	2 GND	3 12.0				
IC268	1 11.0	2 9.0	3 GND	4 11.0			
IC269	1 7.0	2 5.0	3 GND	4 7.0			
IC270	1 15.0	2 GND	3 12.0				
IC271	1 NC	5 NC	9 NC	13 GND			
	2 NC	6 NC	10	14			
	3 NC	7	GND	15			
	4 NC	8 GND	12 GND	16 12.0			
IC1001	1 5	9	13 NC				
	2 6 GND	10	14 NC				
	3 7 GND	11	15				
	4 8 GND	12 NC	16 9.0				

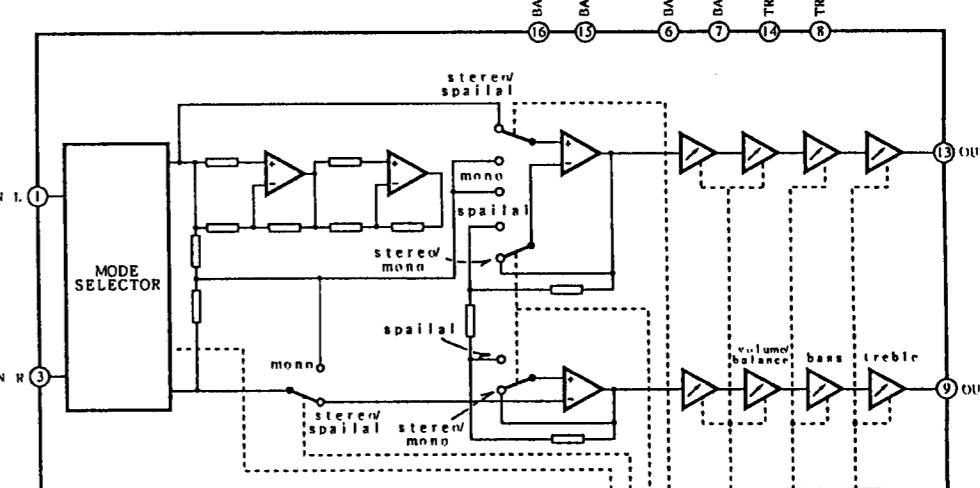
A BOARD TRANSISTOR VOLTAGE LIST		
E	C	B
Q220	GND	0
Q221	2.8	2.2
Q222	GND	0
Q223	11.9	2.8
Q230	GND	0
Q231	0	10.6
Q232	GND	9.0
Q233	0	9.0
Q234	9.0	9.0
Q235	4.6	0
Q271	GND	12.0
Q501	3.2	0
Q502	6.9	6.4
Q503	3.1	6.9
Q504	GND	4.9
Q505	GND	63.7
Q506	2.1	-0.7
Q507	-124.3	-121.6
Q508	2.1	1.7
Q509	-122.9	-123.2
Q511	1.6	0.9
Q1001	9.0	GND
Q1002	9.0	GND
Q1003	5.6	5.1
Q1004	0	0

#### A BOARD \* MARK

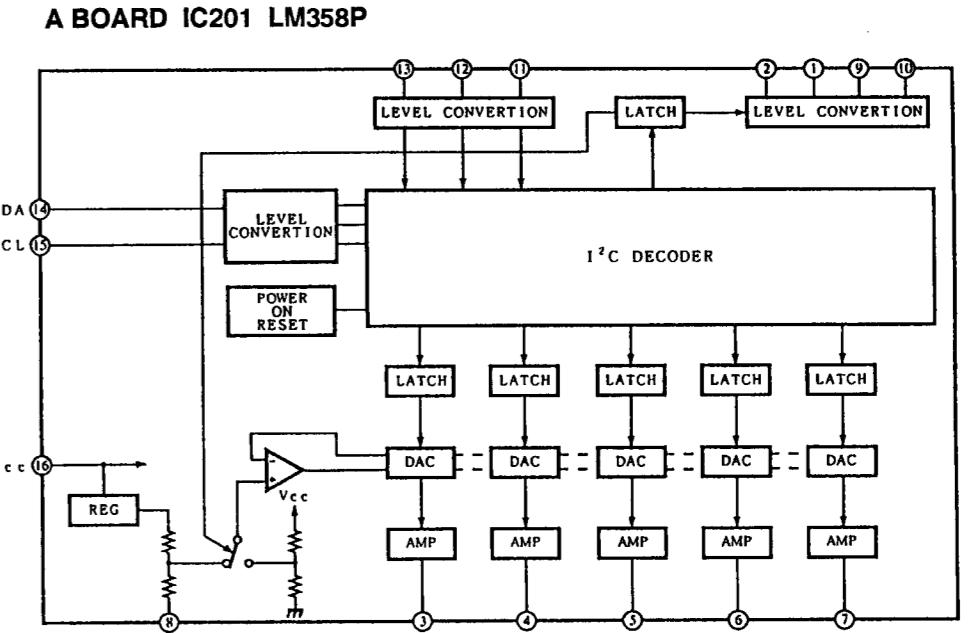
Ref.No.	KP-46V25 (U/C)	KP-53V25 (US)	KP-61V25 (US)
D509	V06C-T52	V06C-T52	—
D510	V06C-T52	V06C-T52	—
R528	270 3W	270 3W	—
R529	270 3W	270 3W	—
R530	270 3W	270 3W	—
R531	270 3W	270 3W	—

— : NOT MOUNT

#### A BOARD IC202 TDA8424

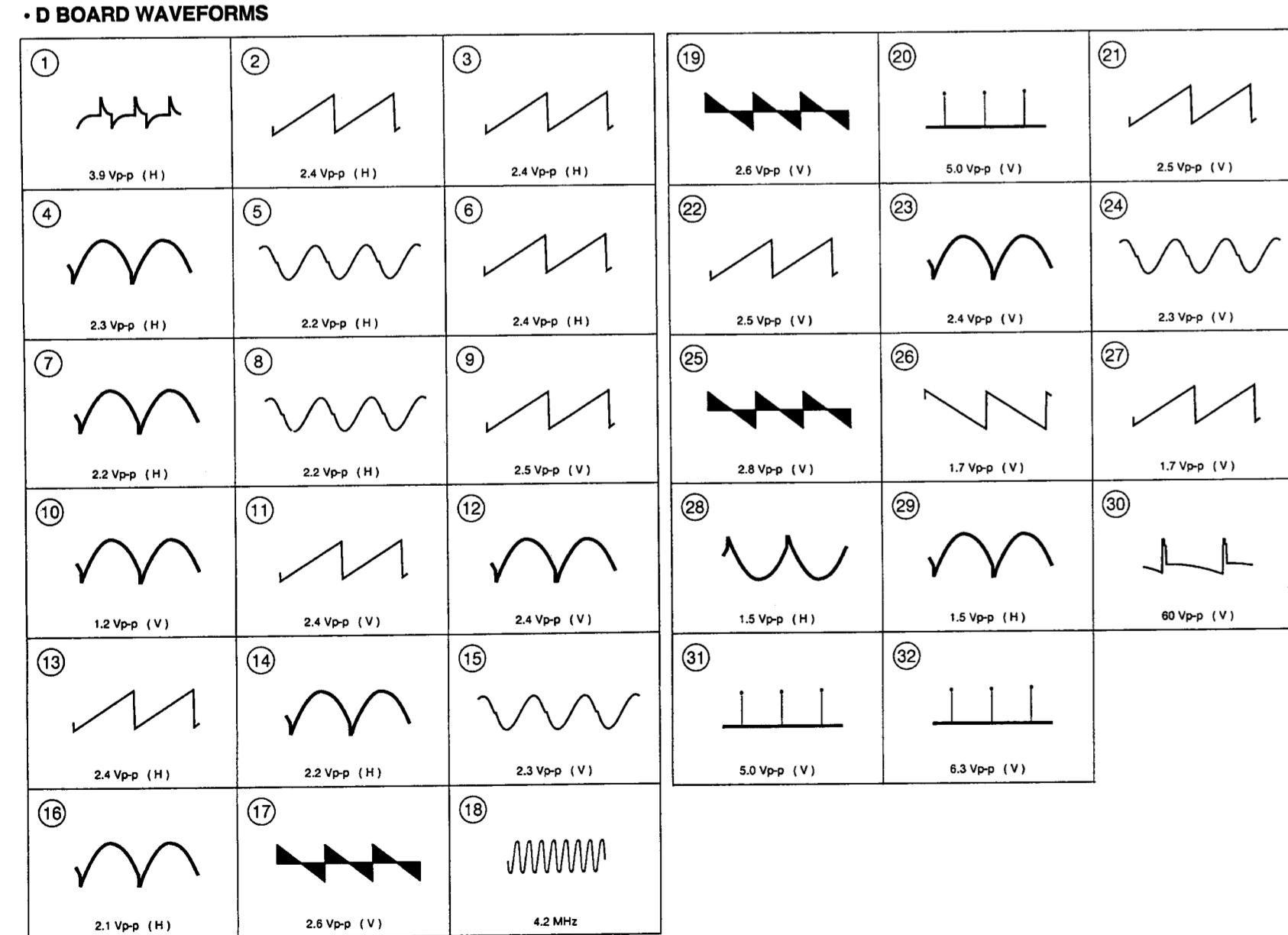
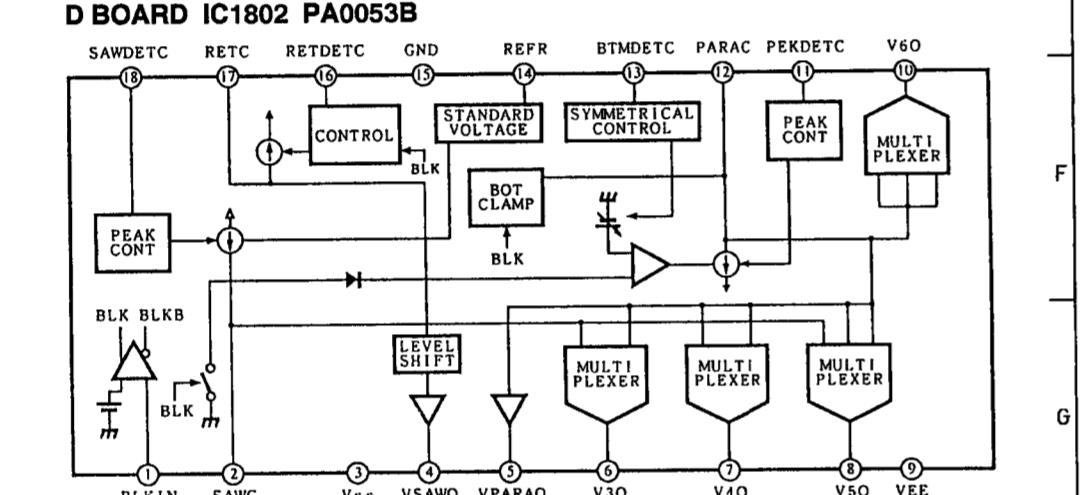


#### A BOARD IC201 LM358P

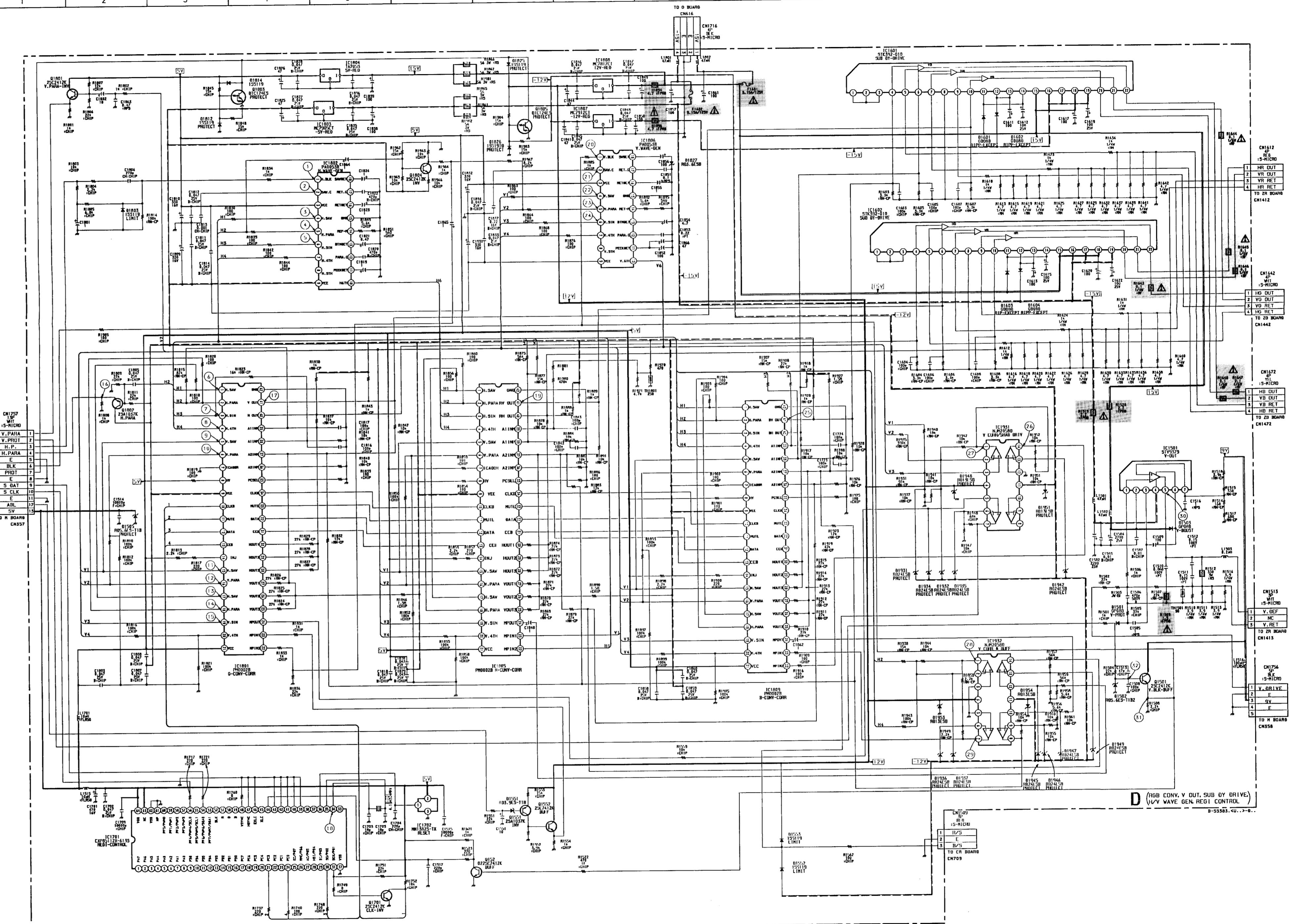


D BOARD IC VOLTAGE LIST					ALL VOLTAGES ARE IN V	
IC1501	1 1.5	3 -13.8	5 0.3	7 1.5		
	2 15.0	4 -15.0	6 15.0			
IC1601	1 -13.3	6 0.4	11 14.2	16 -15.0	21 0	
	2 -13.3	7 0.4	12 -14.3	17 -15.0	22 0	
	3 -13.3	8 GND	13 -14.3	18 15.0		
	4 0	9 0	14 14.2	19 -15.0		
	5 0	10 0	15 15.0	20 0		
IC1602	1 -13.3	6 -0.1	11 14.2	16 -15.0	21 -0.9	
	2 -13.3	7 -0.1	12 -14.3	17 -15.0	22 0.3	
	3 -13.3	8 GND	13 -14.3	18 15.0		
	4 0.2	9 -0.5	14 14.2	19 -15.0		
	5 0.2	10 -0.5	15 15.0	20 -0.2		
IC1701	1 NC	15 NC	29 NC	43 0	57 NC	
	2 NC	16 NC	30 0.7	44 0	58 NC	
	3 NC	17 NC	31 0.3	45 NC	59 NC	
	4 NC	18 NC	32 GND	46 GND	60 NC	
	5 NC	19 NC	33 NC	47 GND	61 GND	
	6 NC	20 NC	34 2.7	48 GND	62 GND	
	7 NC	21 5.1	35 2.5	49 NC	63 6.0	
	8 NC	22 NC	36 5.2	50 NC	64 5.0	
	9 NC	23 NC	37 NC	51 NC		
	10 NC	24 3.2	38 NC	52 NC		
	11 NC	25 NC	39 0	53 NC		
	12 NC	26 NC	40 0	54 4.7		
	13 NC	27 NC	41 0	55 NC		
	14 NC	28 NC	42 0	56 4.6		
IC1702	1 5.2	2 5.0	3 GND			
IC1801	1 0	10 3.4	19 0	28 0	37 0	
	2 -0.9	11 5.1	20 -0.5	29 0	38 0	
	3 0	12 0.7	21 5.0	30 0	39 0	
	4 -1.1	13 3.2	22 0	31 3.2	40 0.2	
	5 0	14 -2.1	23 1.5	32 0.7	41 0	
	6 -0.4	15 0	24 0	33 5.2	42 GND	
	7 GND	16 -0.9	25 0	34 3.4		
	8 5.2	17 0	26 0	35 0		
	9 -5.0	18 -0.9	27 0	36 0		
IC1802	1 0.8	5 -0.9	9 -5.0	13 0.4	17 1.3	
	2 1.2	6 0	10 0.3	14 1.3	18 -1.6	
	3 5.0	7 -1.1	11 0.6	15 GND		
	4 0	8 0	12 -0.9	16 -1.7		

D BOARD TRANSISTOR VOLTAGE LIST			
	E	C	B
Q1501	0.2	9.0	-0.5
Q1551	4.0	2.1	3.4
Q1552	1.5	12.0	2.1
Q1701	GND	3.5	0.3
Q1801	2.6	5.0	3.2
Q1802	-2.5	-5.0	-3.1
Q1803	GND	4.8	0
Q1804	-0.3	0	-0.9
Q1805	GND	4.8	0



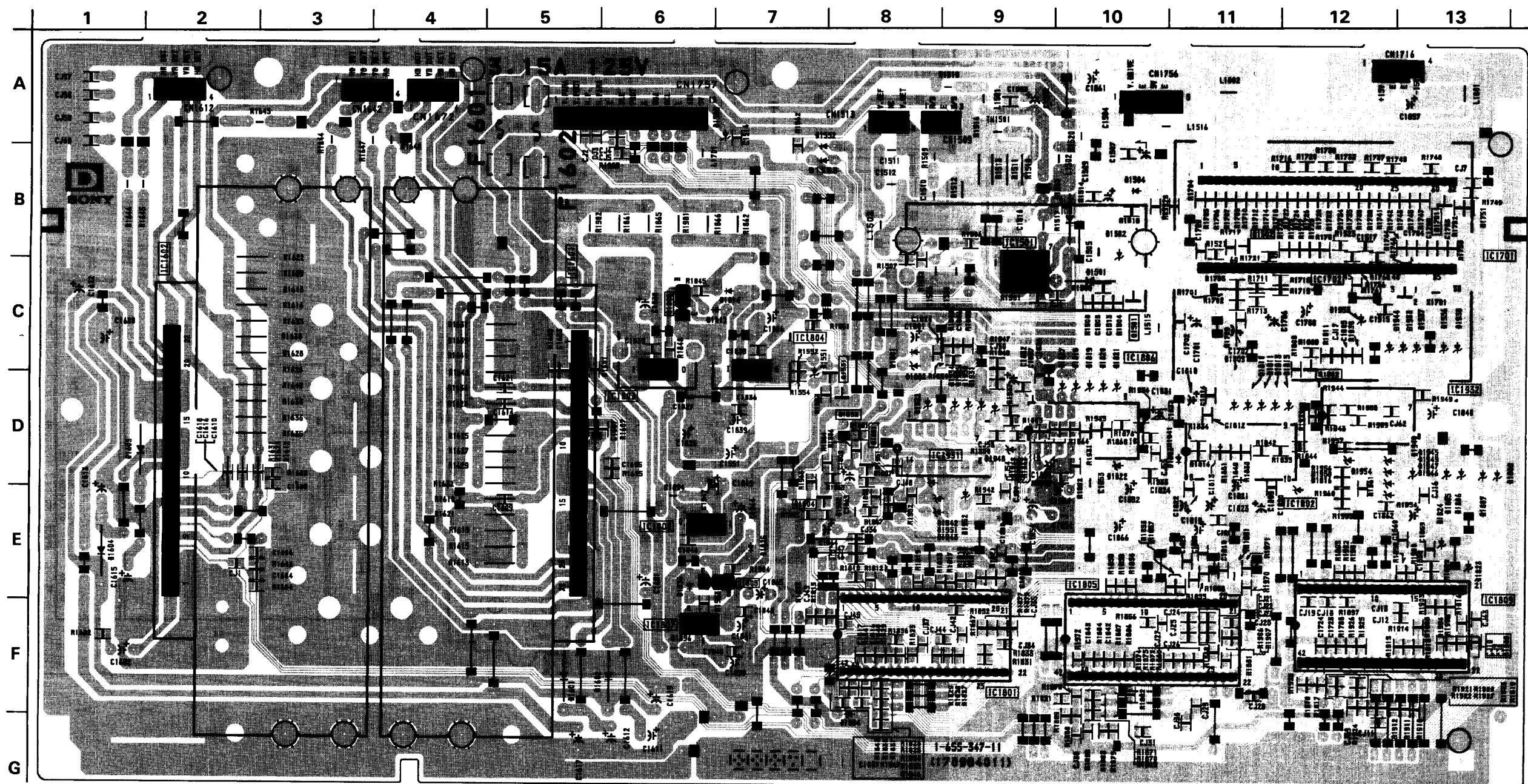
C1803	1 -5.0	2 -15.0	3 GND	
C1804	1 5.0	2 GND	3 15.0	
C1805	1 0	10 3.4	19 0	28 0
	2 -0.9	11 5.2	20 -0.5	29 0
	3 0.2	12 0.7	21 5.0	30 1.1
	4 -1.1	13 3.2	22 0	31 3.2
	5 0	14 -2.1	23 0	32 0.7
	6 -0.4	15 0	24 0	33 5.1
	7 5.1	16 -0.9	25 0.4	34 3.4
	8 5.2	17 0	26 0	35 0
	9 -5.0	18 -0.9	27 0	36 0
C1806	1 0.2	5 -0.9	9 -6.0	13 0.4
	2 1.3	6 0	10 0.3	14 1.3
	3 5.0	7 -1.0	11 0.6	15 GND
	4 0	8 0	12 -0.9	16 -1.5
C1807	1 -12.0	2 -15.0	3 GND	
C1808	1 12.0	2 GND	3 15.0	
C1809	1 0	10 3.4	19 0	28 0
	2 -0.9	11 5.1	20 -0.5	29 0
	3 0.2	12 0.7	21 5.0	30 0.4
	4 -1.1	13 3.2	22 0	31 NC
	5 0	14 -2.2	23 -0.7	32 NC
	6 -0.4	15 0	24 0	33 NC
	7 -5.0	16 -0.9	25 0	34 NC
	8 5.1	17 0	26 0	35 0
	9 -5.0	18 -0.9	27 0	36 0
IC1931	1 0	4 12.0	7 0.4	10 NC
	2 0	5 0	8 NC	11 -12.0
	3 0	6 0	9 NC	12 GND
IC1932	1 0.7	4 12.0	7 -0.7	10 0
	2 0	5 GND	8 0	11 -12.0
	3 GND	6 0	9 0	12 0



### **ematic diagrams**

**D** [RGB CONV, V OUT, SUB DY DRIVE,  
H/V WAVE GEN, REGI CONTROL]

- D BOARD -

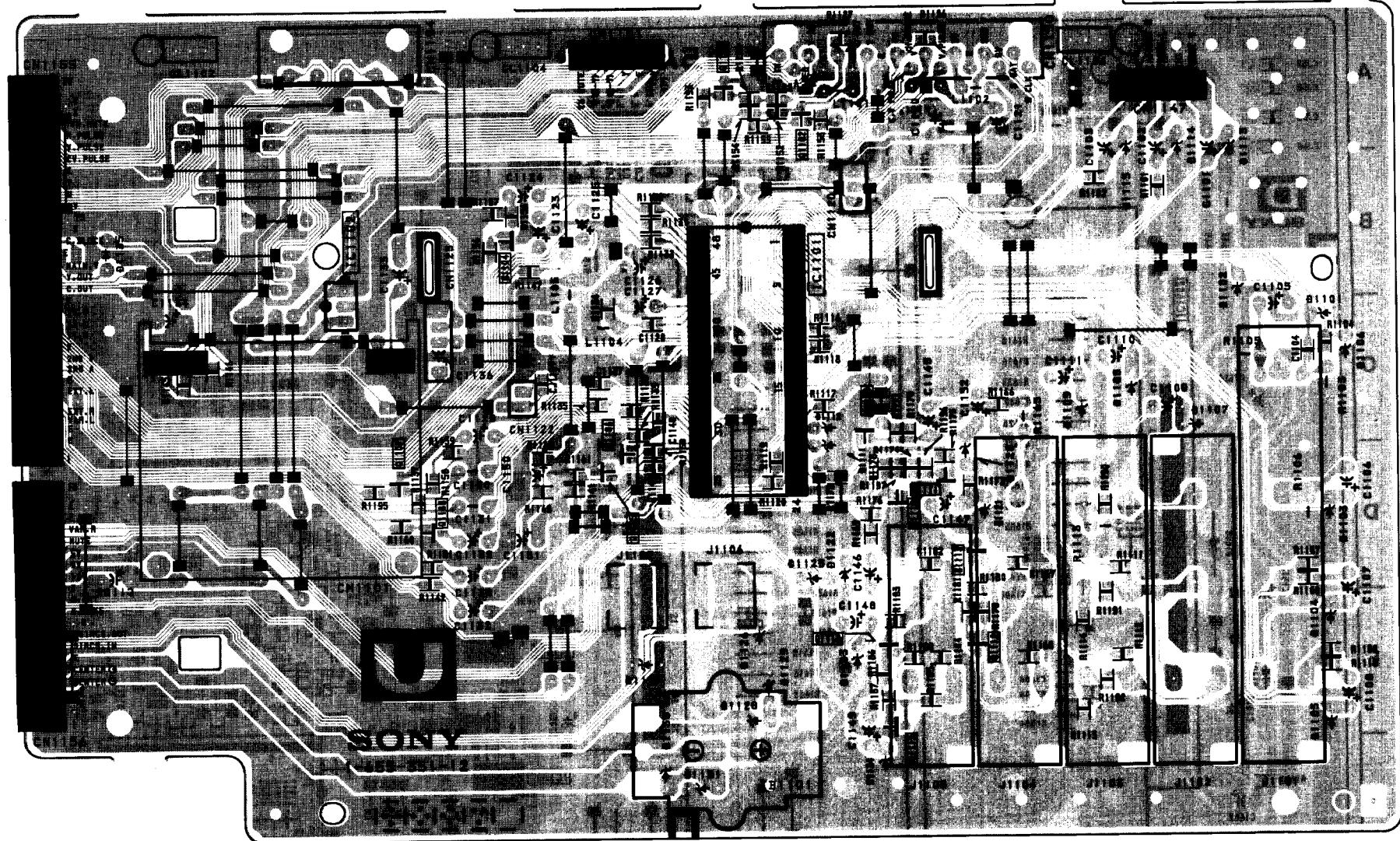


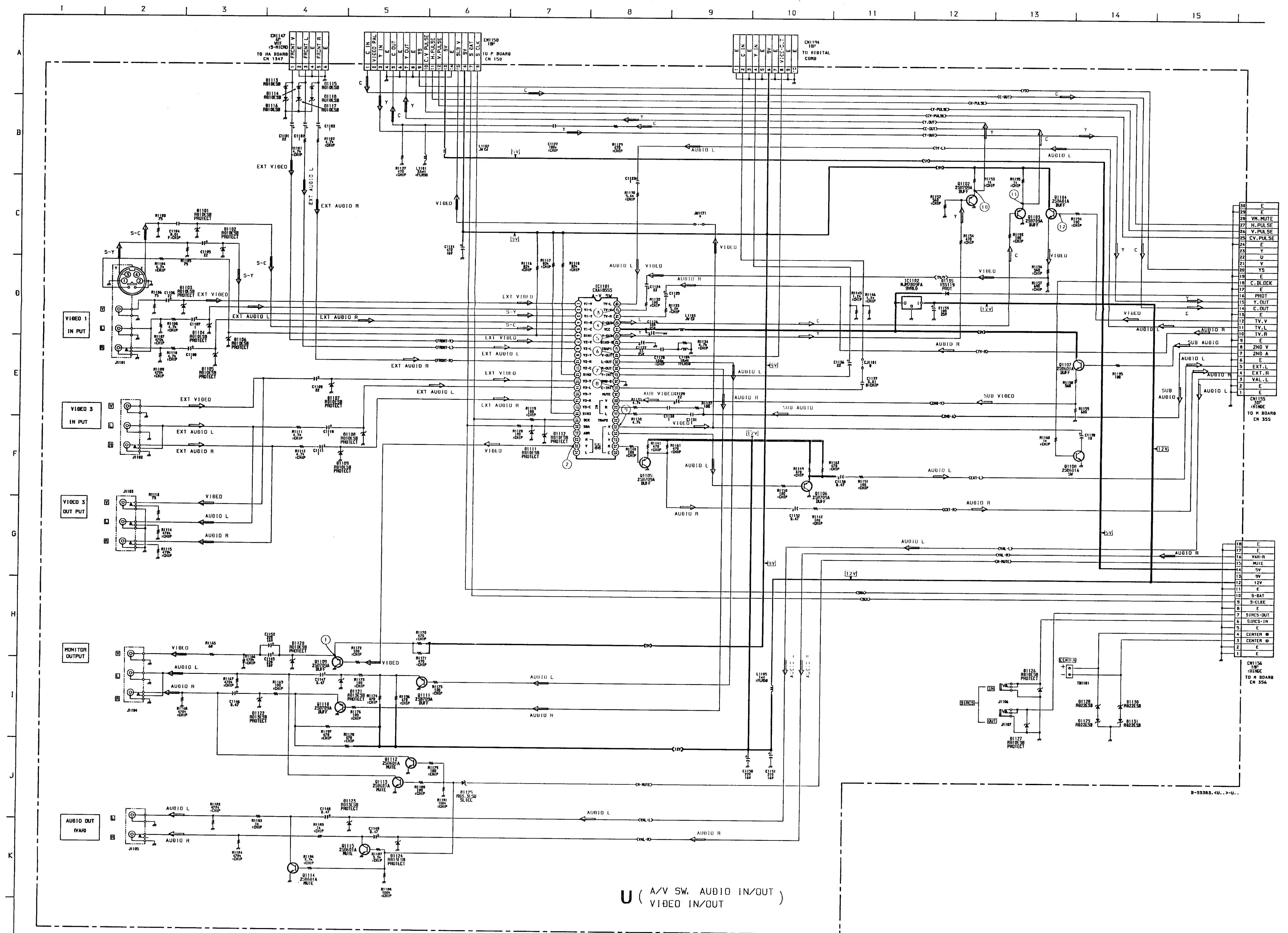
**D BOARD**

IC	IC1807	F - 7	Q1802	C - 12	D1601	F - 5	D1935	D - 9
IC1501	C - 9		Q1803	C - 6	D1602	F - 6	D1936	C - 13
IC1601	C - 5		Q1804	E - 8	D1603	D - 2	D1937	C - 13
IC1602	D - 2		Q1805	E - 7	D1604	E - 1	D1942	E - 9
IC1701	B - 12				D1803	D - 11	D1945	D - 13
IC1702	C - 12				D1812	C - 7	D1946	E - 13
IC1801	F - 9		Q1501	C - 10	D1814	C - 7	D1947	E - 13
IC1802	D - 12		Q1502	B - 10	D1825	E - 7	D1948	D - 9
IC1803	D - 6		Q1503	B - 10	D1826	E - 6	D1949	D - 13
IC1804	D - 7		Q1551	D - 8	D1827		D1951	E - 9
IC1805	F - 10		Q1552	D - 8	D1931	D - 9	D1953	C - 12
IC1806	D - 10		Q1701	B - 13	D1932	D - 9	D1954	D - 12
			Q1801	D - 8	D1933	B - 9		
					D1934	D - 9		

**U** [COM FILTER, AV, SW,  
VIDEO OUT, AUDIO OUT]

- U BOARD -





U BOARD IC VOLTAGE LIST

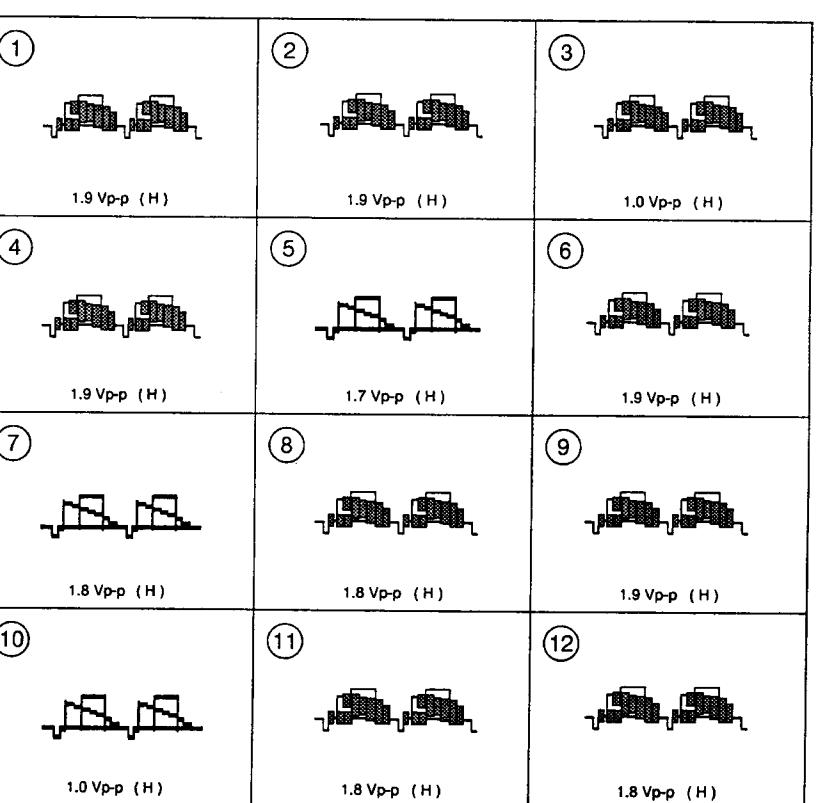
ALL VOLTAGES ARE IN V

IC1101	1 4.7	11 NC	21 NC	31 4.7
	2 4.7	12 5.0	22 4.7	32 4.7
	3 4.7	13 4.7	23 4.6	33 4.7
	4 4.7	14 4.7	24 NC	34 NC
	5 4.7	15 NC	25 NC	35 4.7
	6 5.0	16 4.7	26 4.8	36 GND
	7 3.6	17 NC	27 NC	37 4.7
	8 4.7	18 5.0	28 4.8	38 4.8
	9 NC	19 4.6	29 4.6	39 4.8
	10 4.7	20 4.6	30 4.7	40 4.6

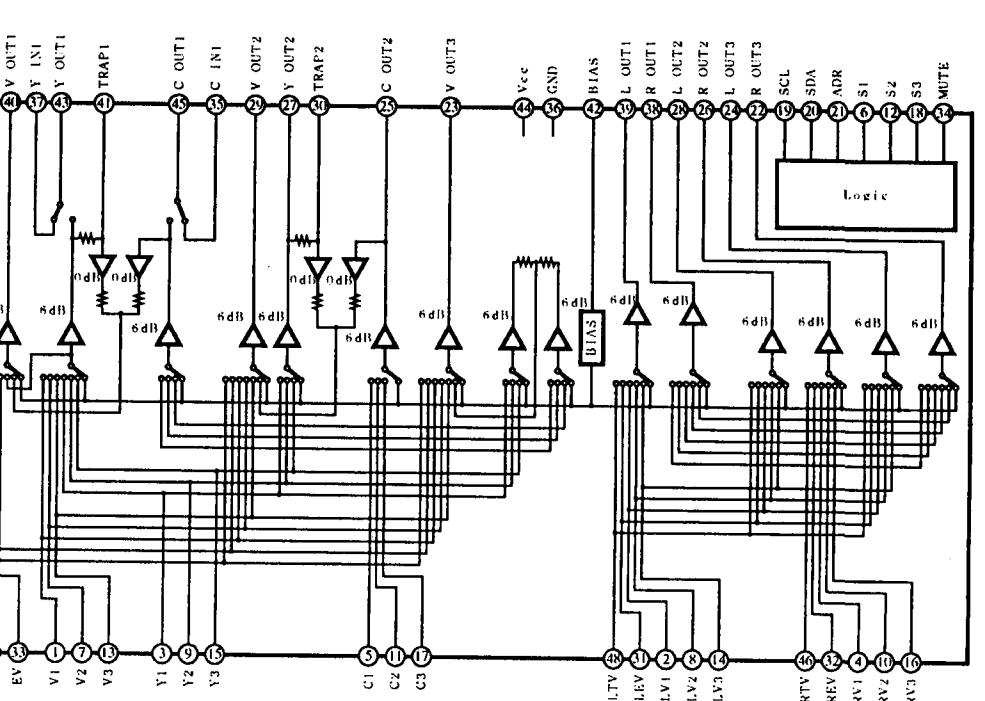
U BOARD TRANSISTOR VOLTAGE LIST

	E	C	B
Q1102	3.1	GND	2.5
Q1103	5.3	GND	4.7
Q1104	5.1	9.0	5.8
Q1105	5.4	GND	4.8
Q1106	5.4	GND	4.8
Q1107	0	9.0	-0.3
Q1108	GND	0.9	-1.1
Q1109	5.3	GND	4.6
Q1110	5.4	GND	4.8
Q1111	5.4	GND	4.8
Q1112	GND	0	0
Q1113	GND	0	0
Q1114	GND	0	0
Q1115	GND	0	0

U BOARD WAVEFORMS

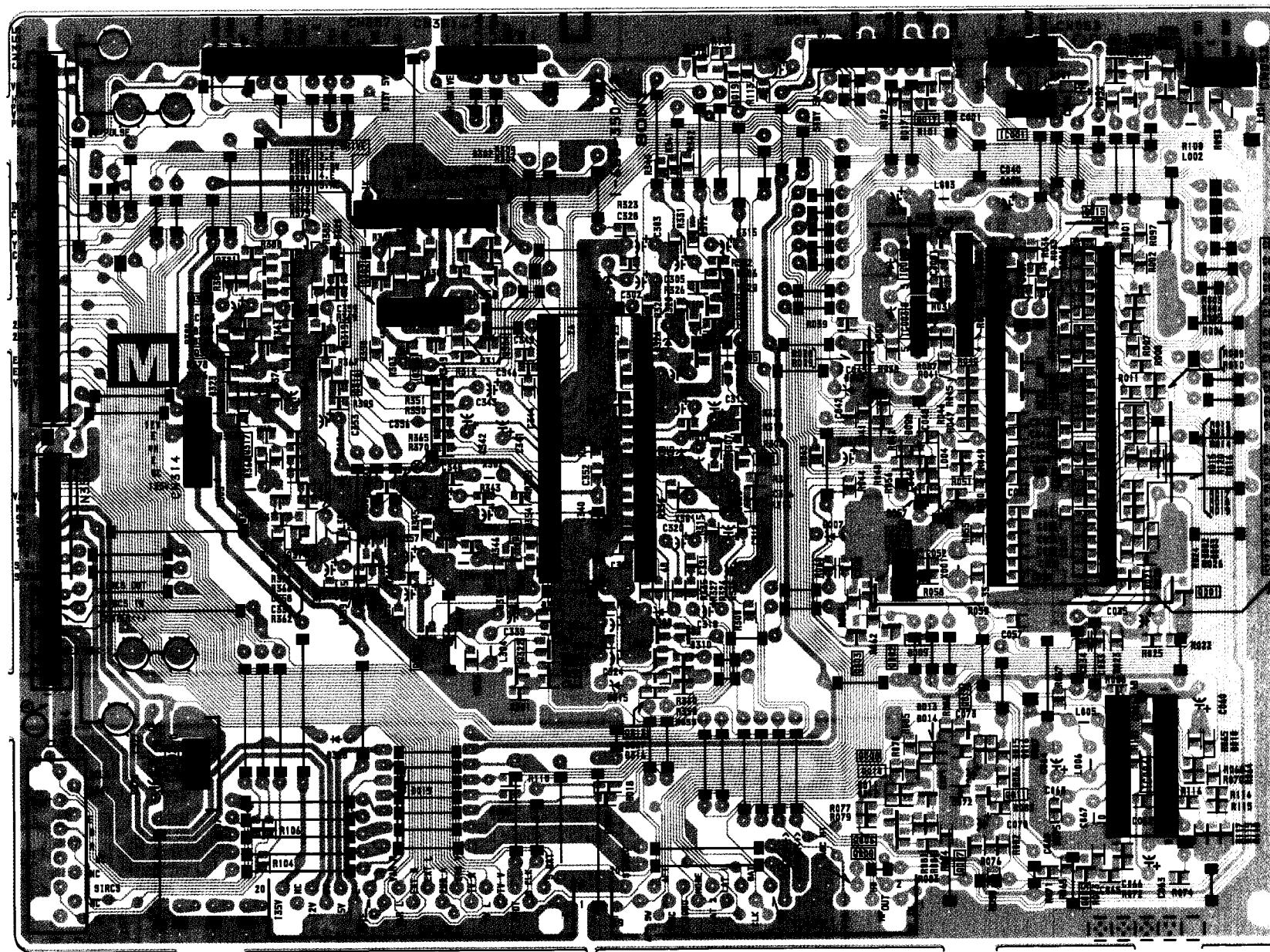


U BOARD IC CXA1855





— M BOARD —



**P** [PICTURE IN PICTURE]

— P BOARD —

P BOARD

IC

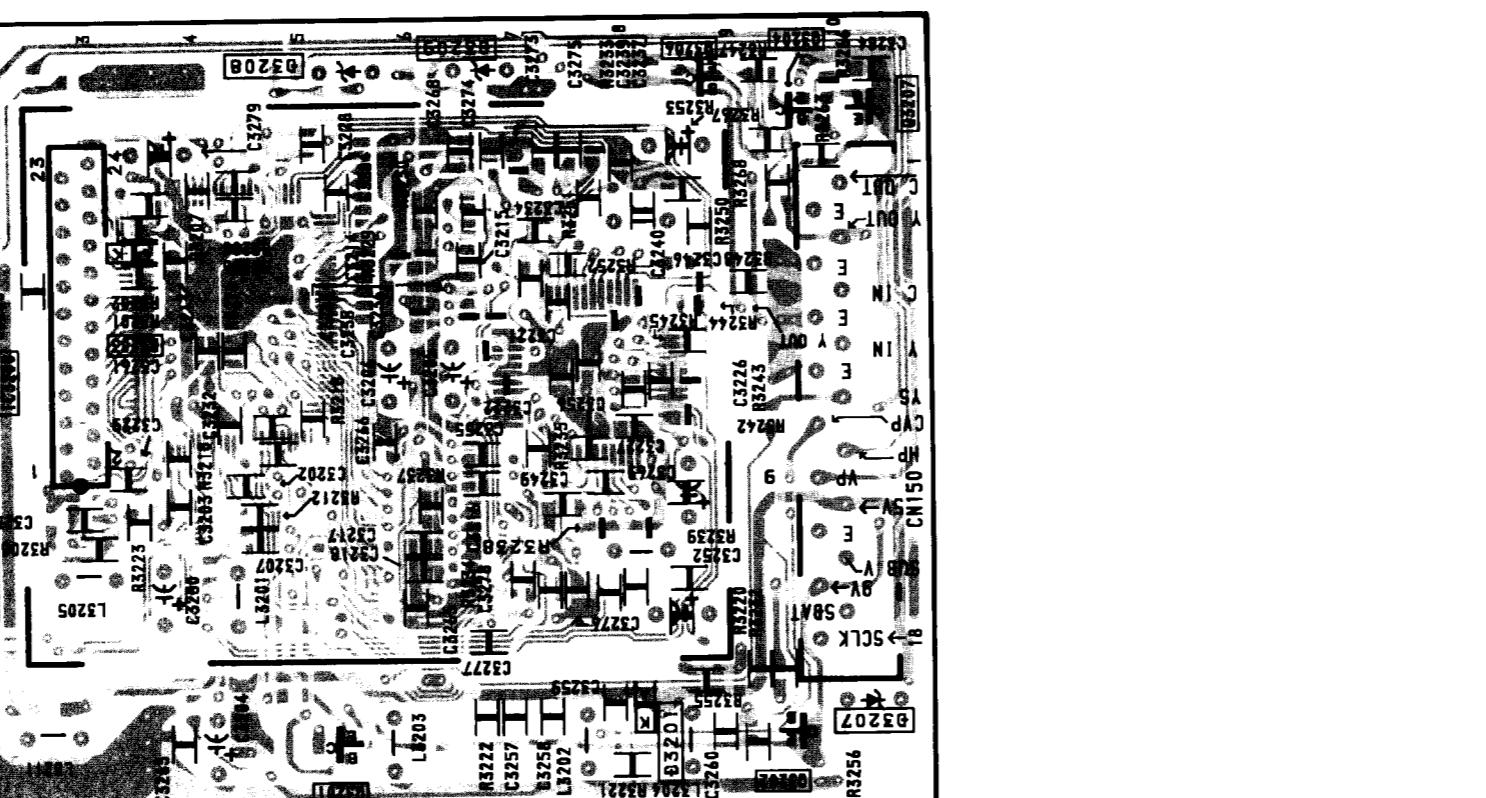
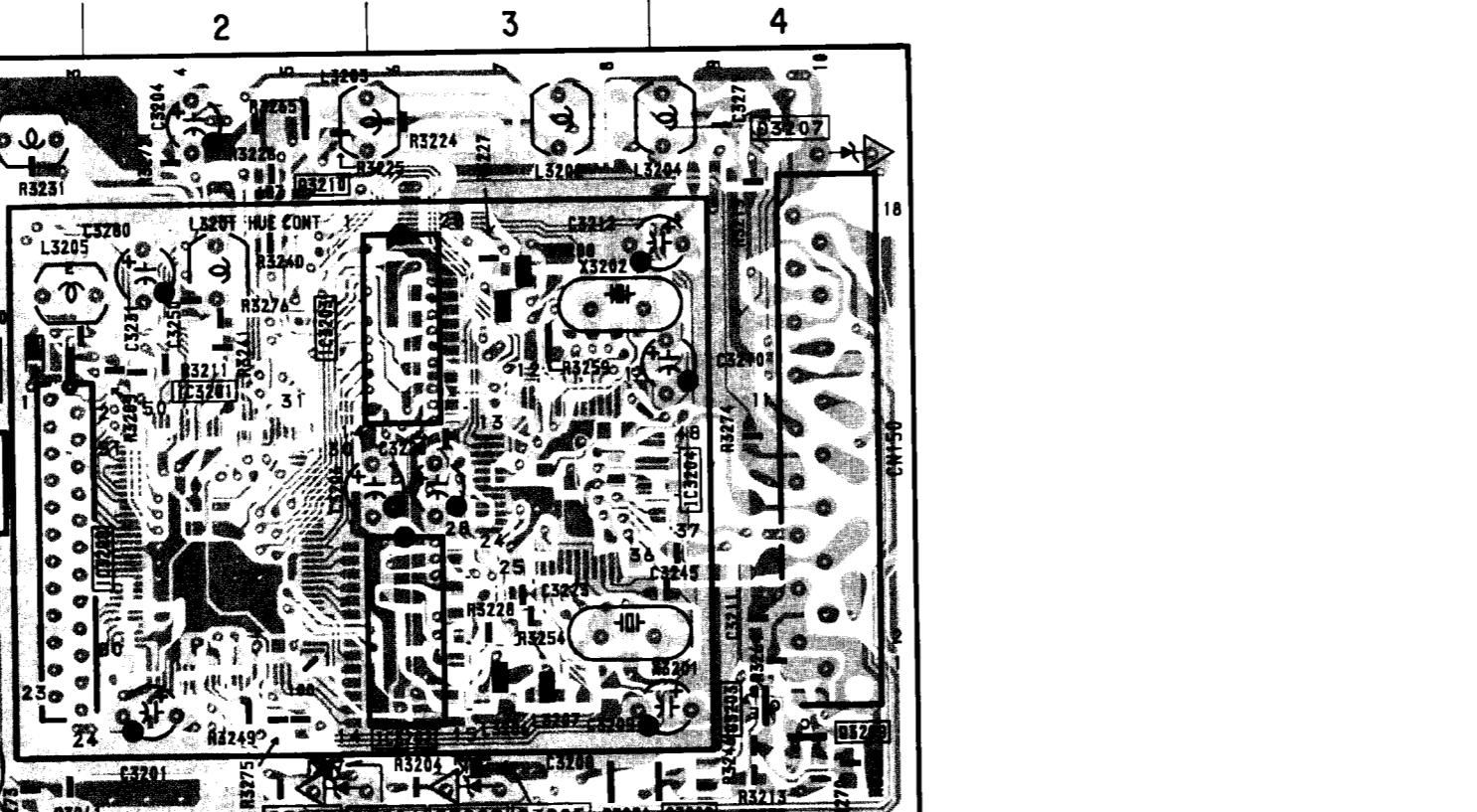
IC3200	E - 1
IC3201	B - 2
IC3202	C - 3
IC3203	B - 3
IC3204	B - 3
IC3205	B - 1

TRANSISTOR

Q3201	F - 2
Q3202	F - 4
Q3203	C - 4
Q3204	D - 4
Q3206	D - 4
Q3207	D - 4
Q3208	C - 3
Q3209	C - 4
Q3210	A - 2

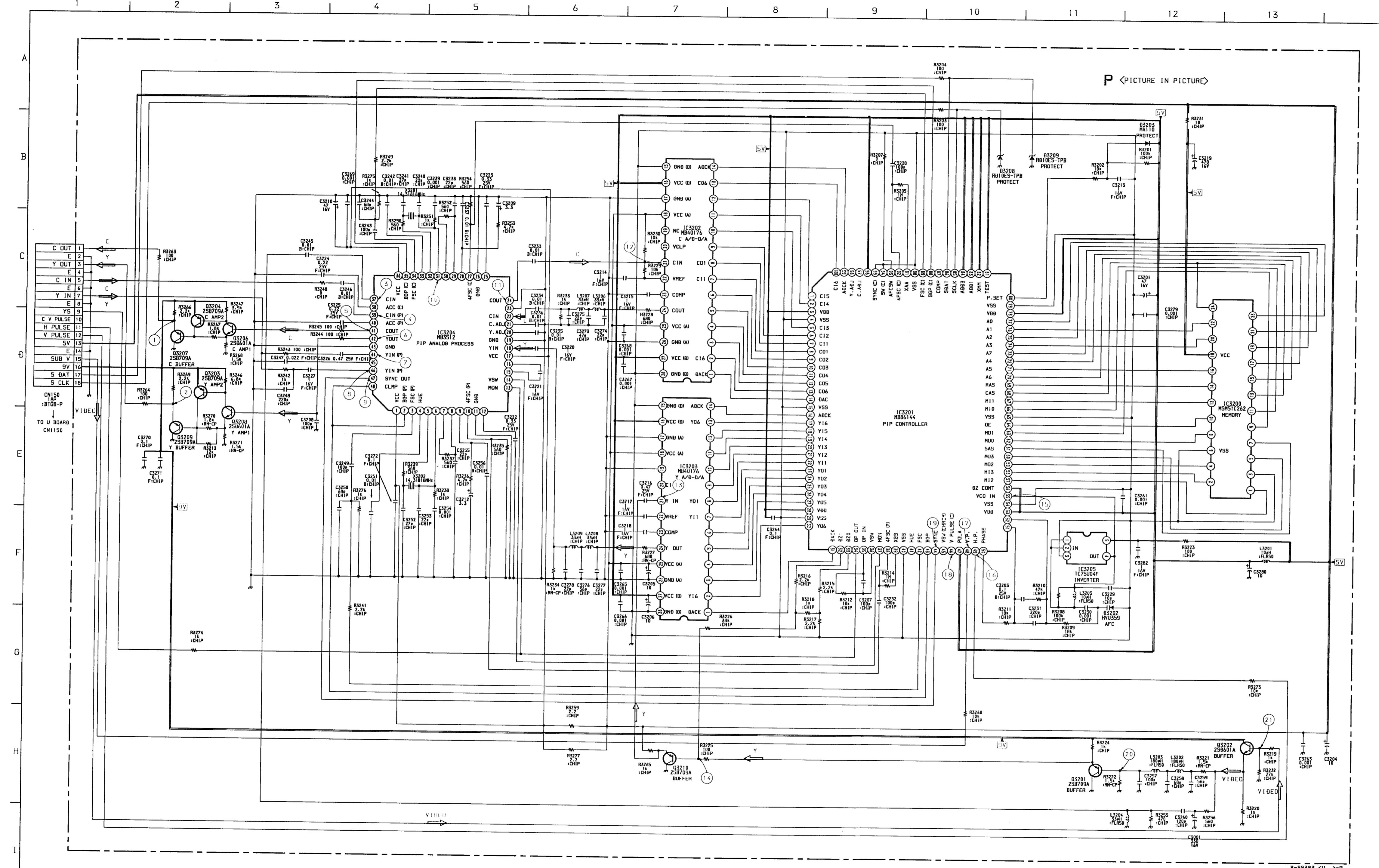
DIODE

D3202	B - 1
D3203	D - 2
D3208	D - 2
D3209	D - 3

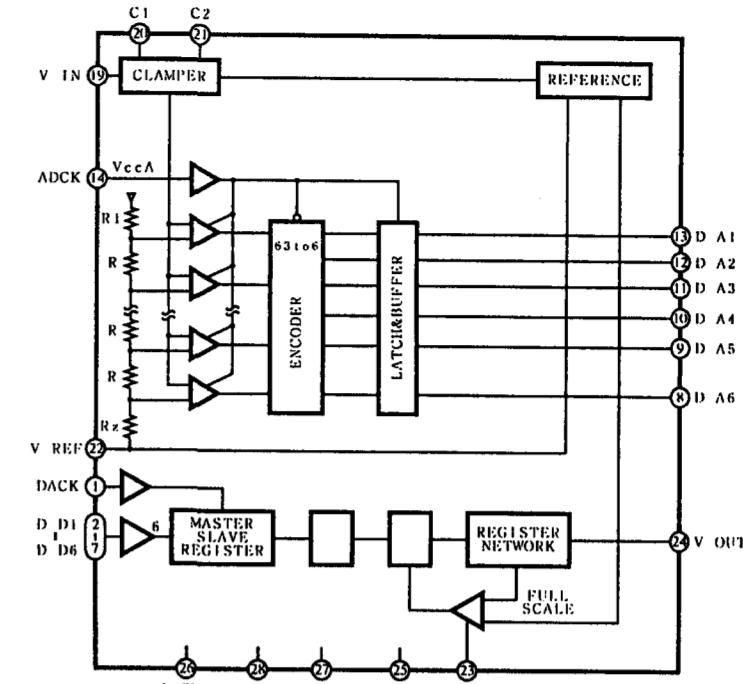


Note :

• : Pattern of the rear side.



P BOARD IC3202, IC3203 MB40176



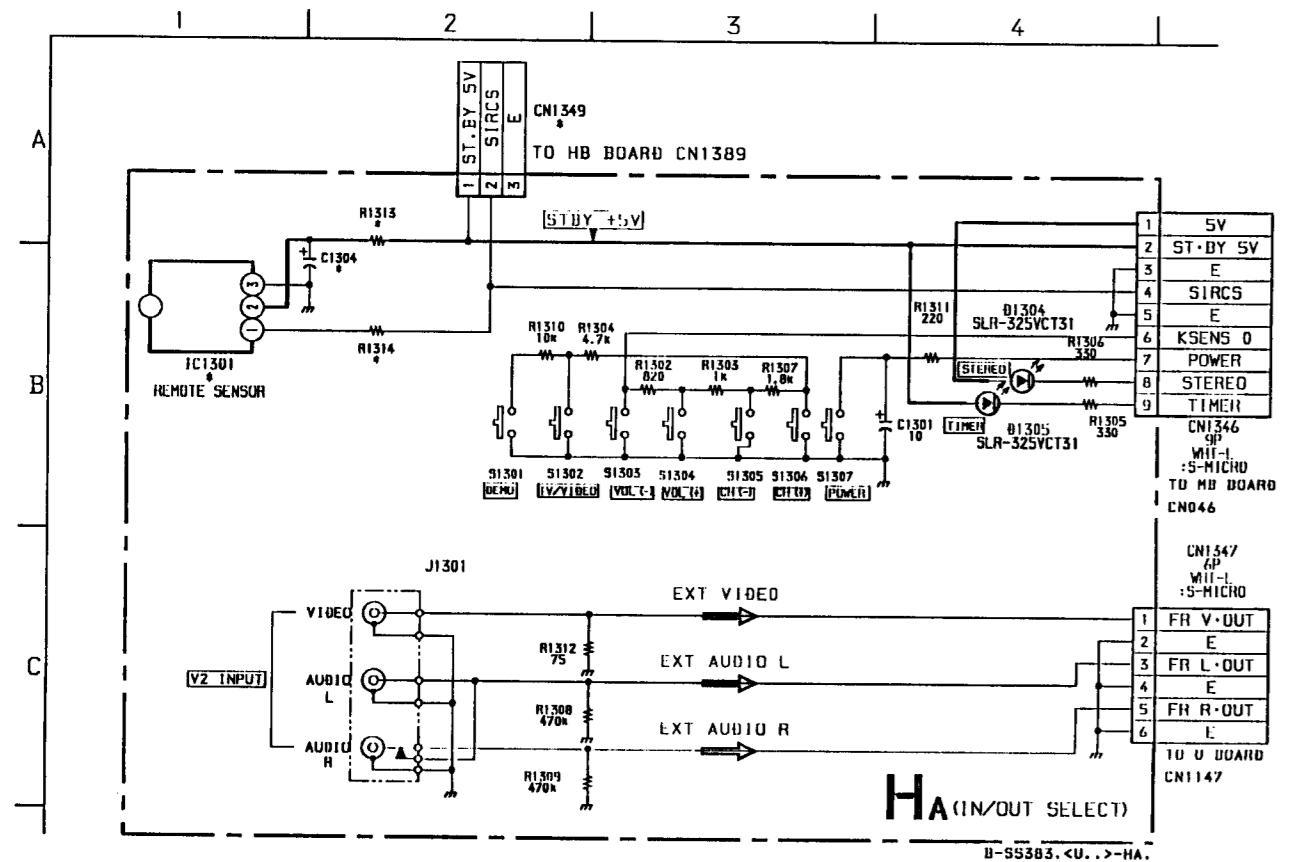
P BOARD IC VOLTAGE LIST  
ALL VOLTAGES ARE IN V

IC3200	1 *	6 GND	11 2.1	16 2.1	21 2.5
	2 *	7 1.5	12 2.5	17 2.5	22 2.5
	3 CND	8 *	13 4.0	18 5.0	23 2.3
	4 *	9 2.0	14 3.2	19 2.2	24 4.0
	5 *	10 1.9	15 2.7	20 2.5	
IC3201	1 3.1	21 2.0	41 4.9	61 *	81 5.0
	2 3.1	22 2.3	42 5.2	62 *	82 5.0
	3 5.0	23 5.0	43 4.7	63 *	83 5.0
	4 GND	24 5.0	44 3.7	64 *	84 5.0
	5 0	25 0	45 NC	65 GND	85 4.6
	6 2.9	26 0	46 0	66 2.3	86 4.6
	7 2.8	27 2.0	47 5.0	67 2.4	87 NC
	8 0	28 5.0	48 0.2	68 4.0	88 4.7
	9 0	29 4.0	49 3.2	69 2.5	89 2.5
	10 0.2	30 0	50 2.5	70 2.7	90 CND
	11 0.2	31 2.9	51 2.5	71 2.1	91 2.5
	12 0.2	32 2.9	52 3.4	72 2.5	92 2.4
	13 4.9	33 2.2	53 5.0	73 2.5	93 CND
	14 2.6	34 4.9	54 GND	74 2.5	94 CND
	15 GND	35 5.0	55 2.5	75 2.5	95 CND
	16 2.7	36 5.0	56 5.0	76 2.5	96 5.0
	17 0	37 0.2	57 *	77 2.3	97 NC
	18 2.9	38 2.8	58 *	78 5.0	98 NC
	19 0.7	39 2.5	59 *	79 GND	99 2.7
	20 1.9	40 GND	60 4.9	80 4.9	100 0.8
IC3202	1 2.6	7 0	13 0.8	19 NC	25 5.0
	2 4.9	8 2.8	14 2.7	20 NC	26 GND
	3 0.2	9 2.9	15 CND	21 4.5	27 5.0
	4 0.2	10 0	16 5.0	22 4.1	28 GND
	5 0.2	11 3.1	17 GND	23 2.8	
	6 0	12 3.1	18 5.0	24 4.0	
IC3203	1 2.9	7 5.0	13 0	19 GND	25 5.0
	2 0	8 2.3	14 2.0	20 NC	26 GND
	3 5.0	9 2.0	15 GND	21 4.5	27 5.0
	4 0	10 1.9	16 5.0	22 4.1	28 GND
	5 0	11 0.7	17 GND	23 2.8	
	6 5.0	12 2.9	18 5.0	24 3.8	
IC3204	1 5.0	6 3.2	11 GND	16 2.4	21 3.6
	2 4.7	7 2.6	12 0.2	17 5.0	22 2.9
	3 3.7	8 2.5	13 0.2	18 2.9	23 GND
	4 3.3	9 2.8	14 4.9	19 GND	24 1.8
	5 3.4	10 2.5	15 2.7	20 3.6	25 0
IC3204	26 GND	31 0	36 5.0	41 2.0	46 2.9
	27 2.5	32 3.4	37 1.5	42 1.5	47 3.7
	28 0	33 3.4	38 2.8	43 GND	48 4.7
	29 0	34 3.7	39 1.5	44 2.8	
	30 2.5	35 4.7	40 2.9	45 2.7	
IC3205	1 2.5	2 2.5	3 GND	4 2.5	5 4.9

P BOARD TRANSISTOR VOLTAGE LIST

Q3201	2.6	GND	1.1	4.4
Q3202	3.8	9.0	1.6	4.5
Q3203	9.0	1.6	8.5	
Q3204	9.0	2.6	8.5	
Q3205	1.3	8.5	1.9	
Q3206	3.3	GND	2.6	
Q3207	9.0	8.5	1.6	
Q3208	0.9	2.3	1.6	
Q3209	3.2	GND	2.6	

Schematic diagrams  
board


**HA BOARD \* MARK**

Ref.No.	KP-46V25 (U/C)	KP-53V25 (US)	KP-61V25 (US)
C1304	—	—	10 50V
CN1349	○	○	—
IC1301	—	—	SBX1780-51
R1313	—	—	JW (5.0)
R1314	—	—	100

○: TO BE MOUNT  
—: NOT MOUNT

**HA BOARD IC VOLTAGE LIST**

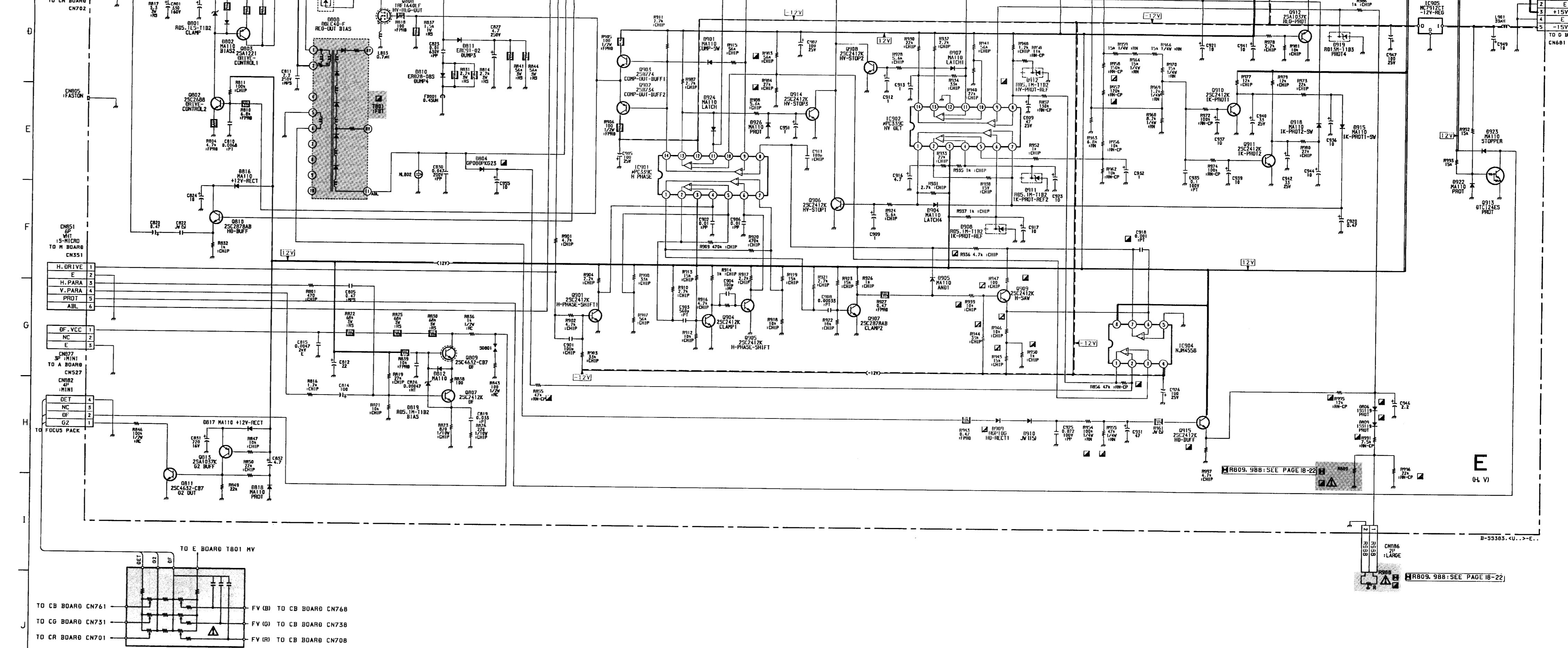
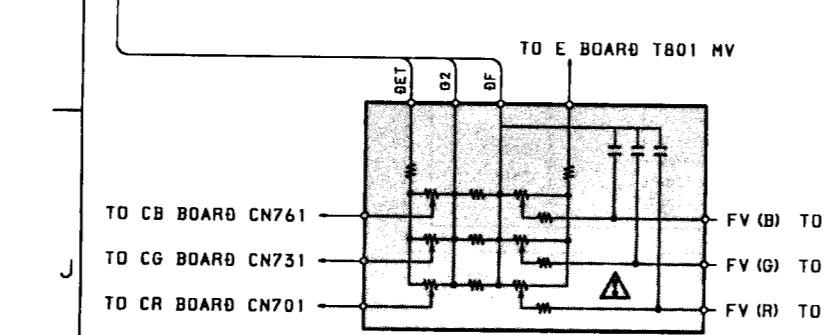
IC1301	1 5.1	2 5.1	3 GND
--------	-------	-------	-------

ALL VOLTAGES ARE IN V

E BOARD IC VOLTAGE LIST						
ALL VOLTAGES ARE IN V						
IC901	1 -6.3	4 3.9	7 4.8	10 4.0	13 -11.6	
	2 6.3	5 7.7	8 2.5	11 0	14 2.0	
	3 12.0	6 7.7	9 2.8	12 -12.0		
IC902	1 0.2	4 6.2	7 0	10 4.0	13 0.2	
	2 0	5 4.8	8 5.2	11 0	14 0	
	3 12.0	6 6.2	9 5.0	12 GND		
IC903	1 3.9	4 11.6	7 7.6	10 7.6	13 11.2	
	2 3.9	5 7.6	8 3.9	11 -11.1	14 11.2	
	3 3.9	6 7.6	9 7.6	12 0.4		
IC904	1 6.9	3 8.9	5 GND	7 2.2		
	2 6.9	4 -12.0	6 0.2	8 12.0		
IC905	1 -12.0	2 -15.0	3 GND			
IC906	1 12.0	2 15.0	3 GND			

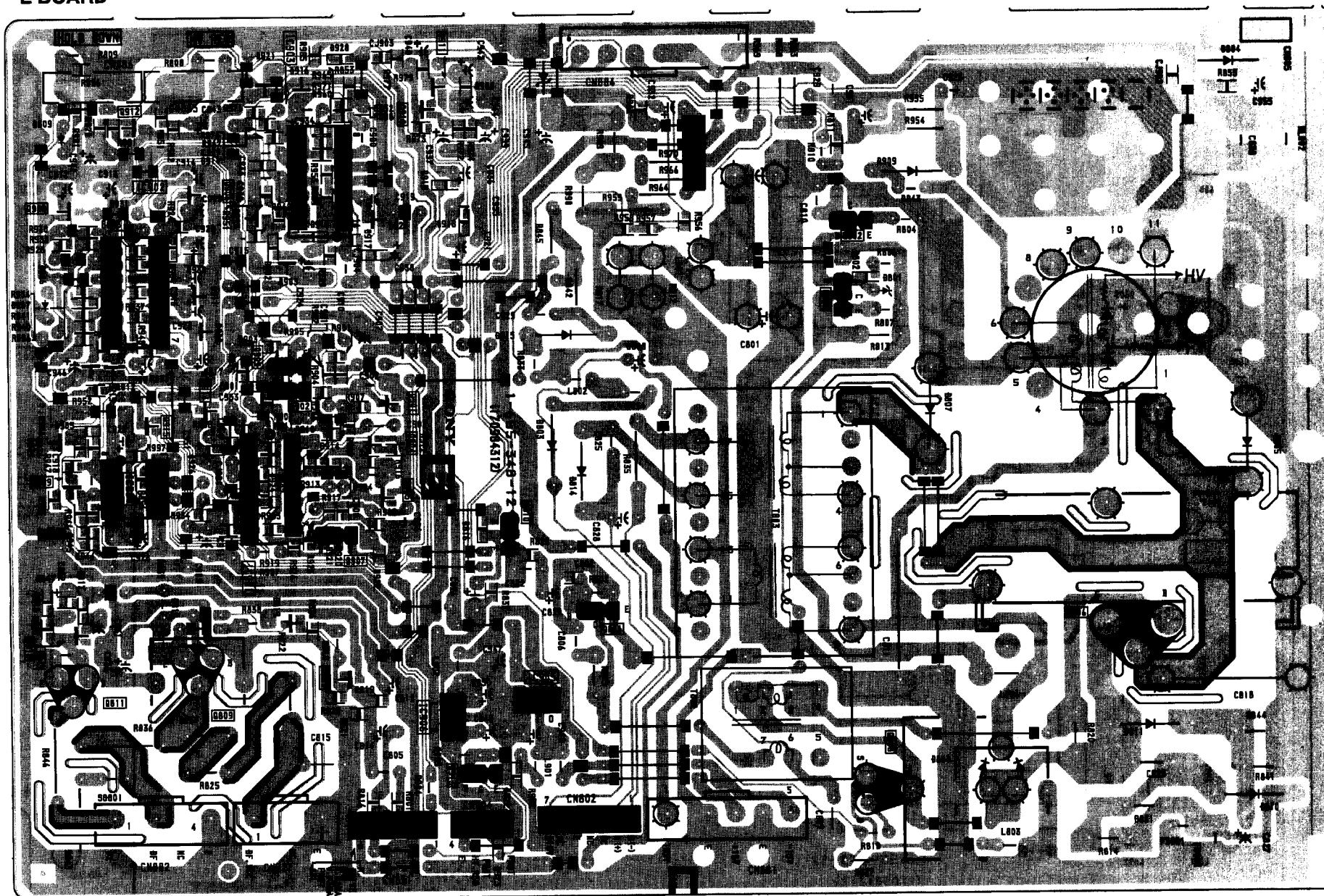
**E BOARD TRANSISTOR VOLTAGE LIST**

	E	C	B
Q801	GND	106.7	-0.3
Q802	132.3	131.7	2.5
Q803	106.8	131.7	
Q806	15.9	135.6	61.9
Q807	2.7	11.6	3.3
Q809	11.9	35.0	12.3
Q810	2.1	11.7	2.6
Q811	GND	64.20	0
Q812	12.3	0	12.3
Q801	GND	3.8	0.3
Q802	1.9	12.0	2.0
Q803	1.9	12.0	2.0
Q804	GND	0.6	0.6
Q805	GND	7.7	0.2
Q806	GND	2.6	0.2
Q807	GND	0.6	0.5
Q808	GND	2.6	0.2
Q809	0.2	2.2	-2.1
Q810	GND	0	0.7
Q811	10.7	GND	10.1
Q812	GND	3.4	-0.3
Q813	GND	2.6	-0.6
Q814	0	12.0	0
Q815	0	51.9	1.9
	S	D	G
Q808	0	51.9	1.9

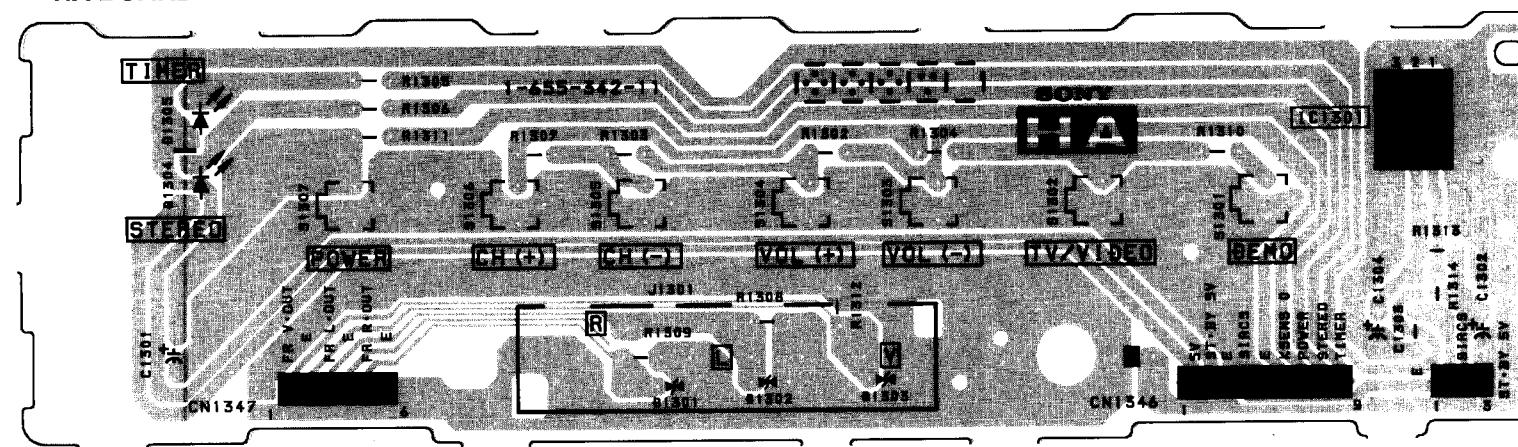


**E** [H. V] **HA** [IN/OUT SELECT]

- E BOARD -

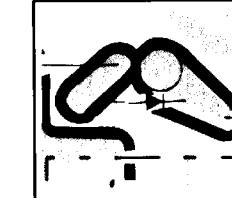


— HA BOARD —



**NOTE:**

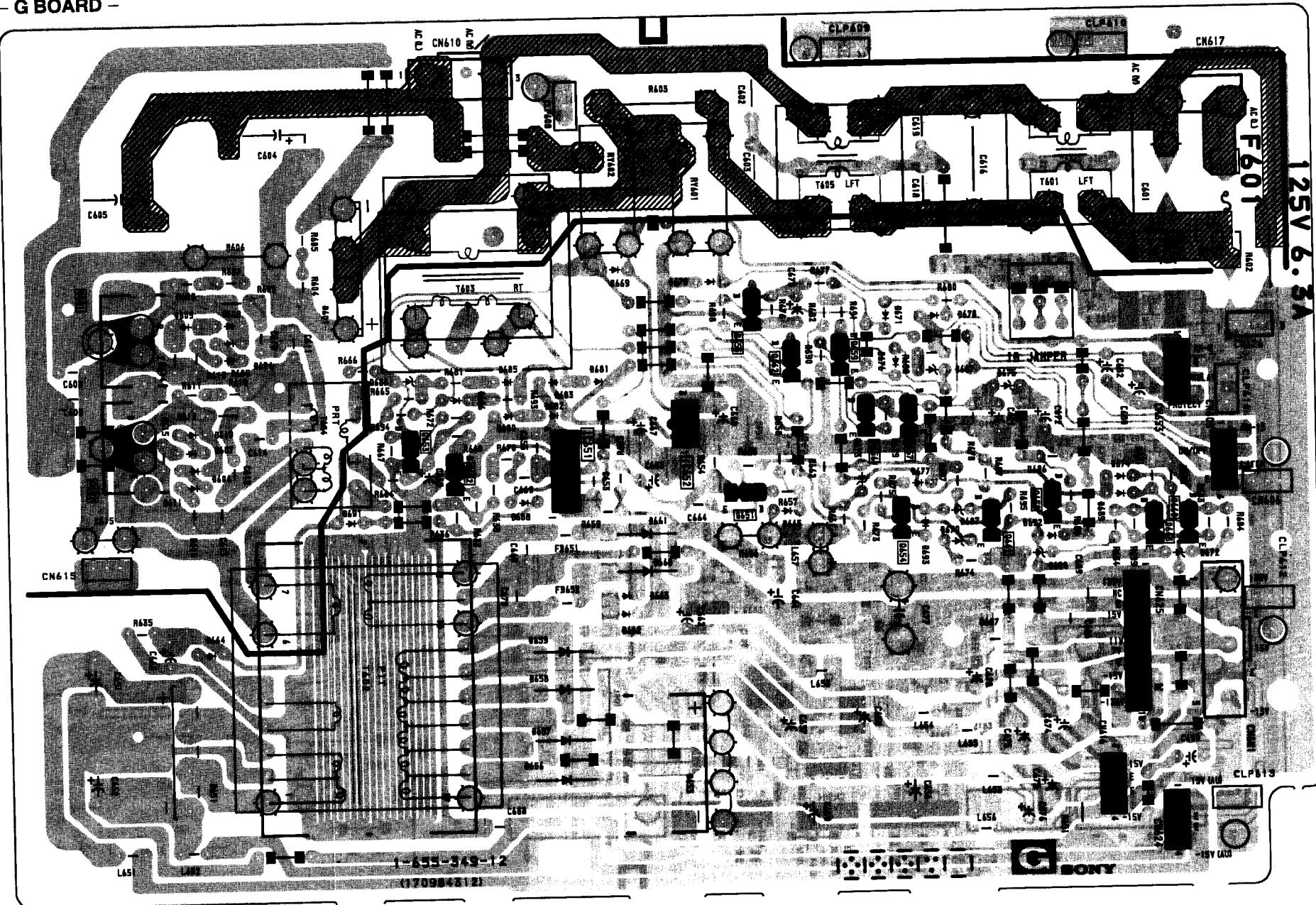
The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.

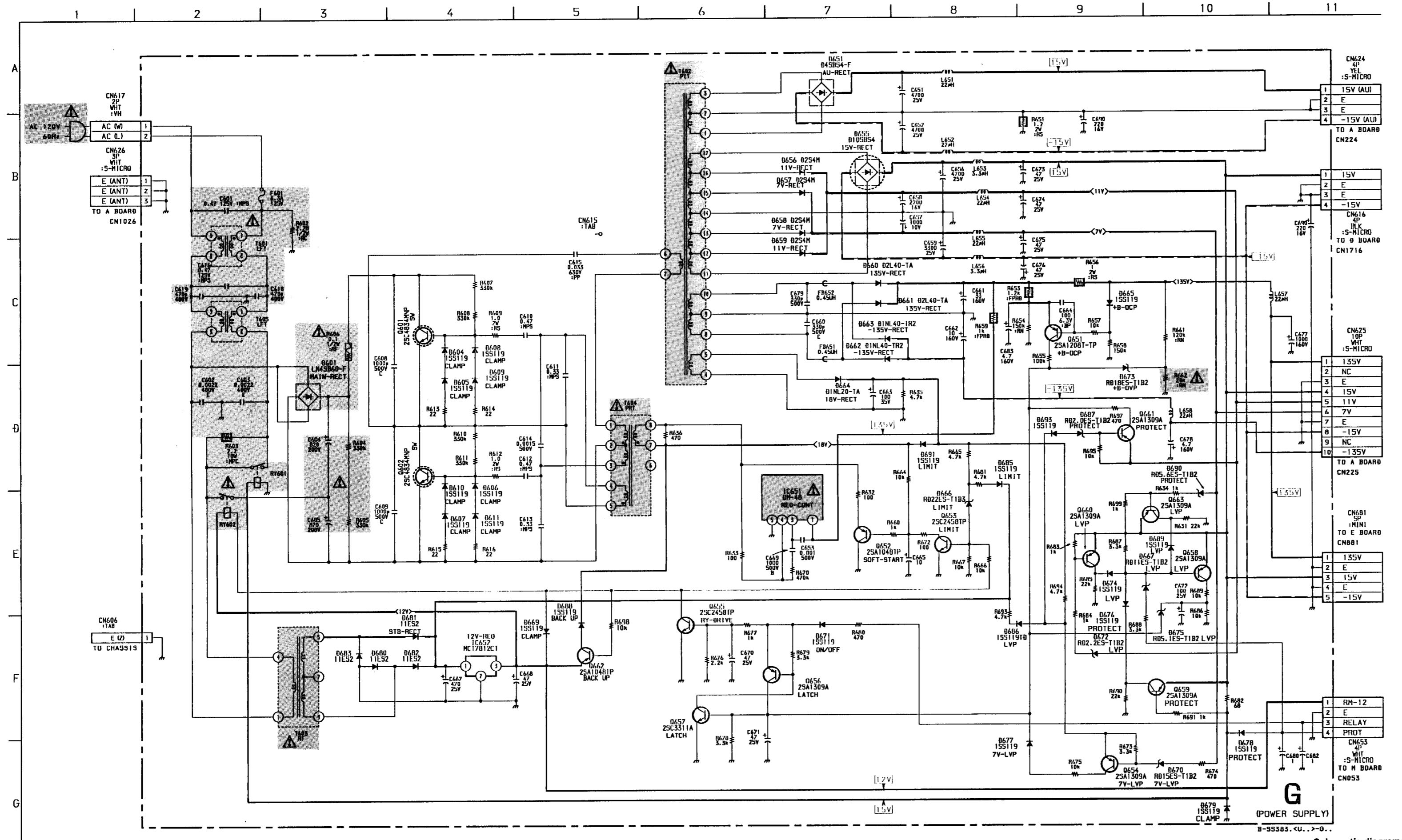


G

[POWER SUPPLY]

— G BOARD —



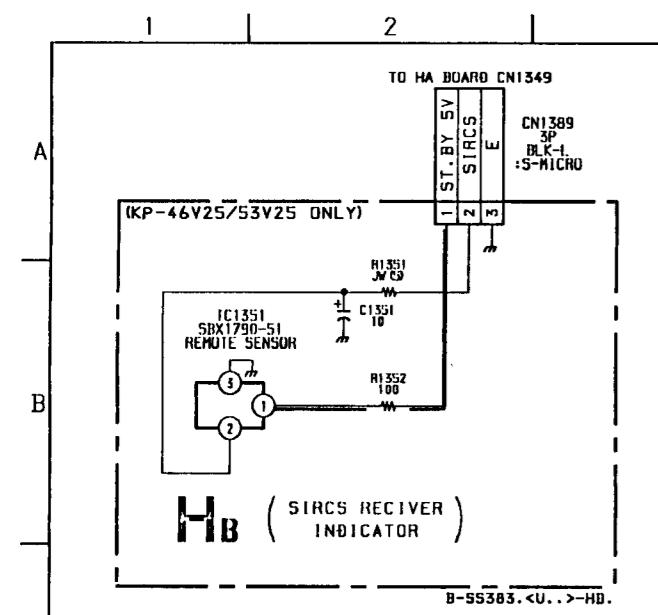
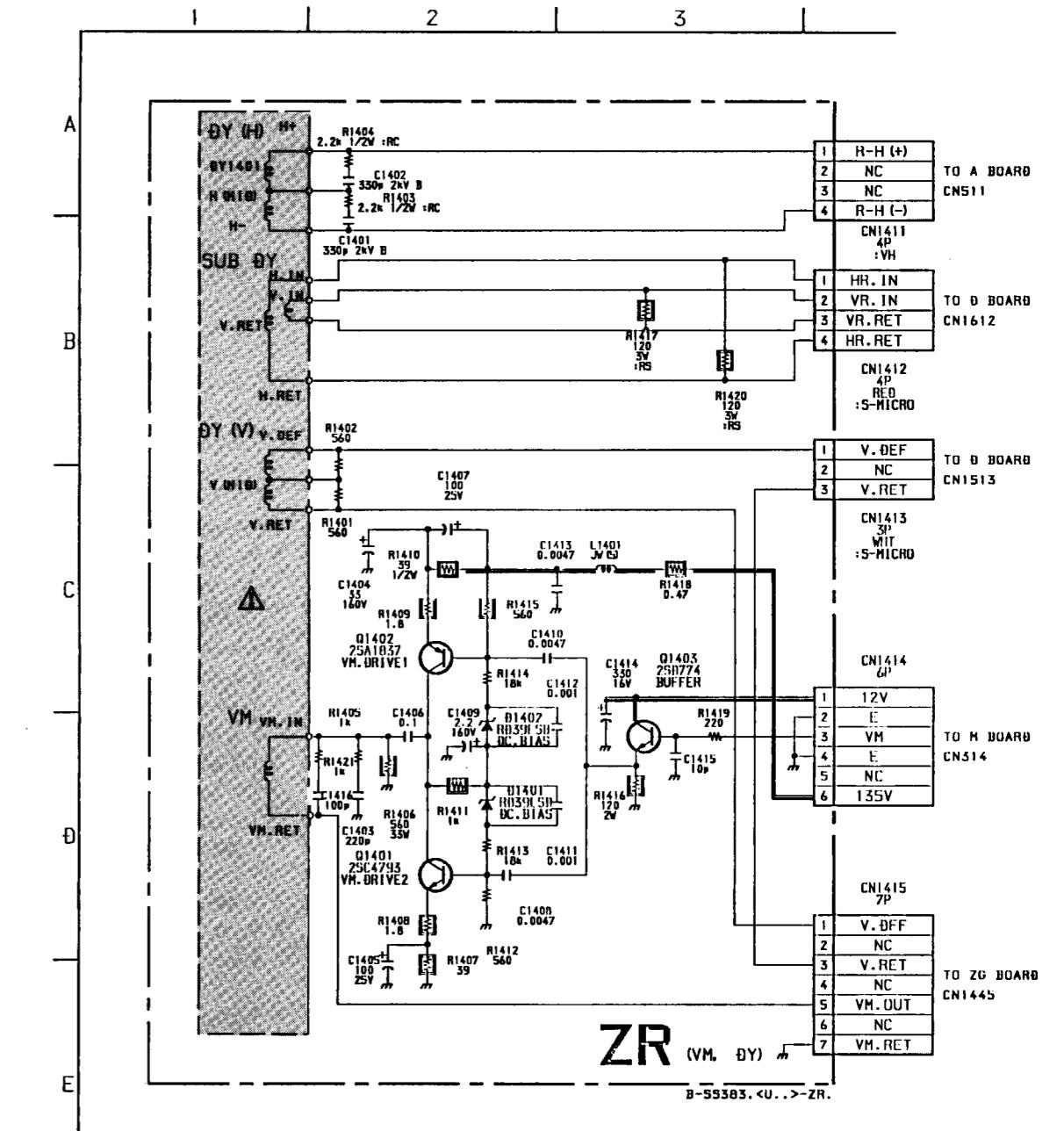
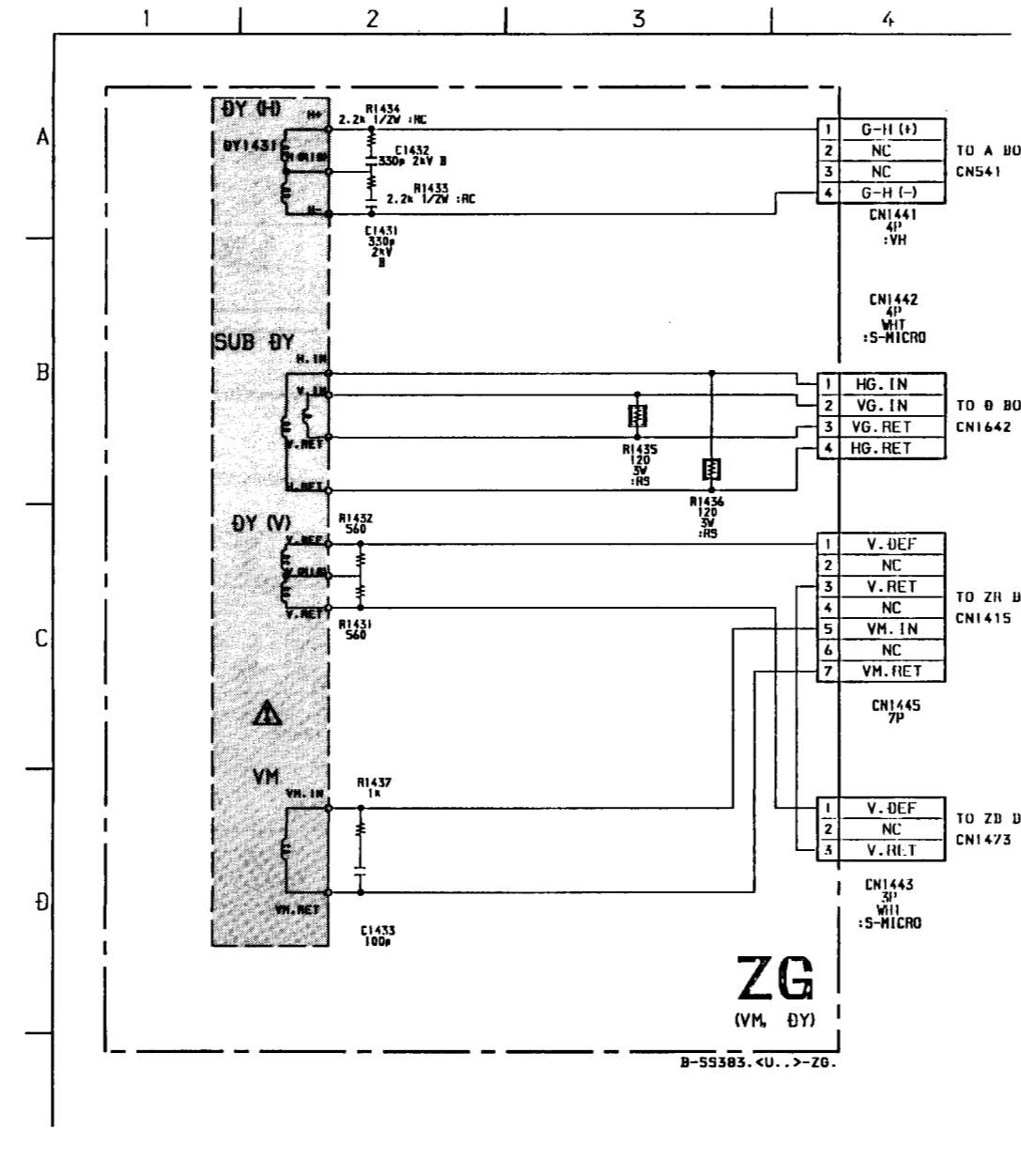
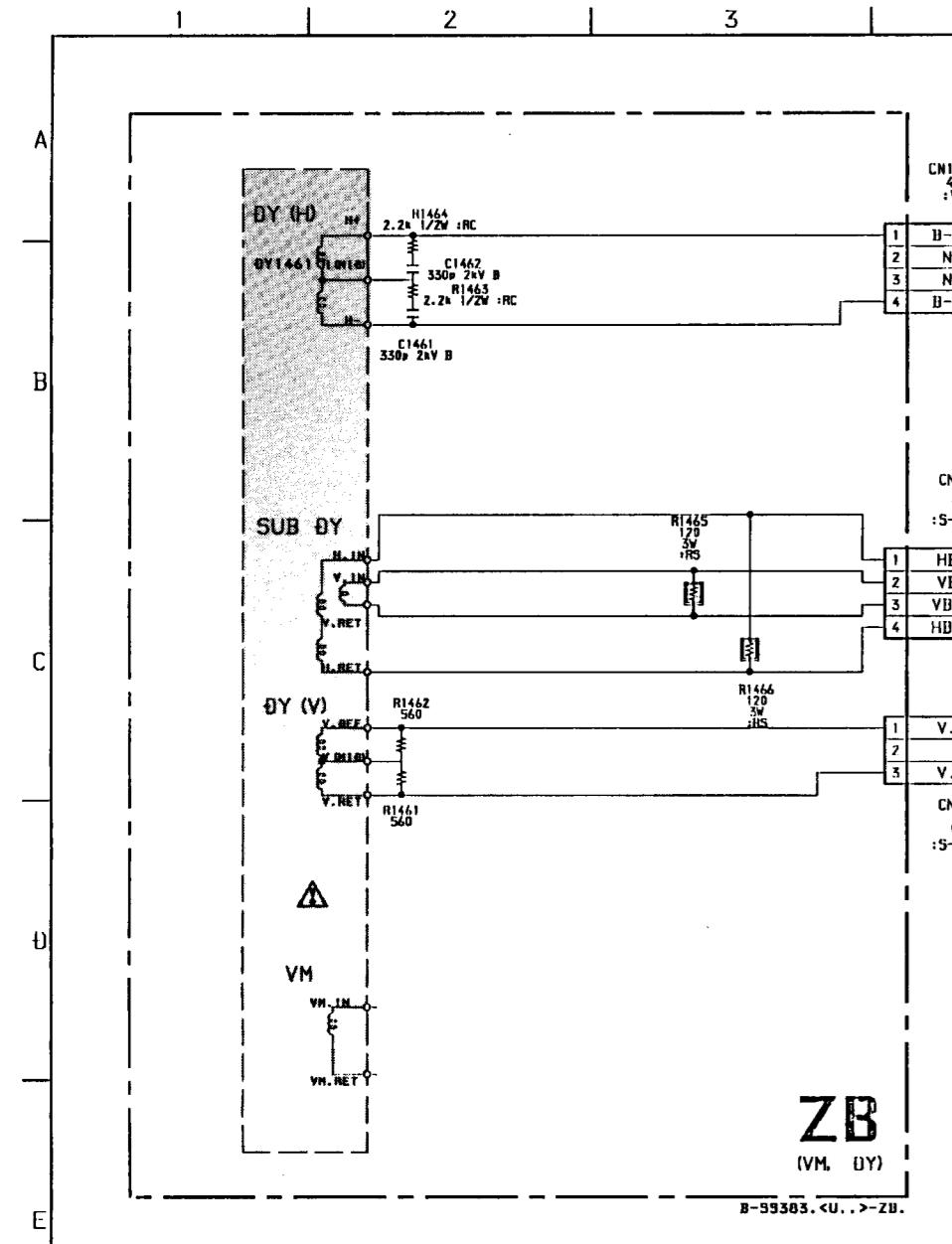


### Schematic diagrams

### Schematic diagrams

STANDARD IC VOLTAGE LIST					ALL VOLTAGES ARE IN V	
1	1 135.4	3 2.6	4 8.9	5 GND		
2	1 22.0	2 GND	3 12.0			

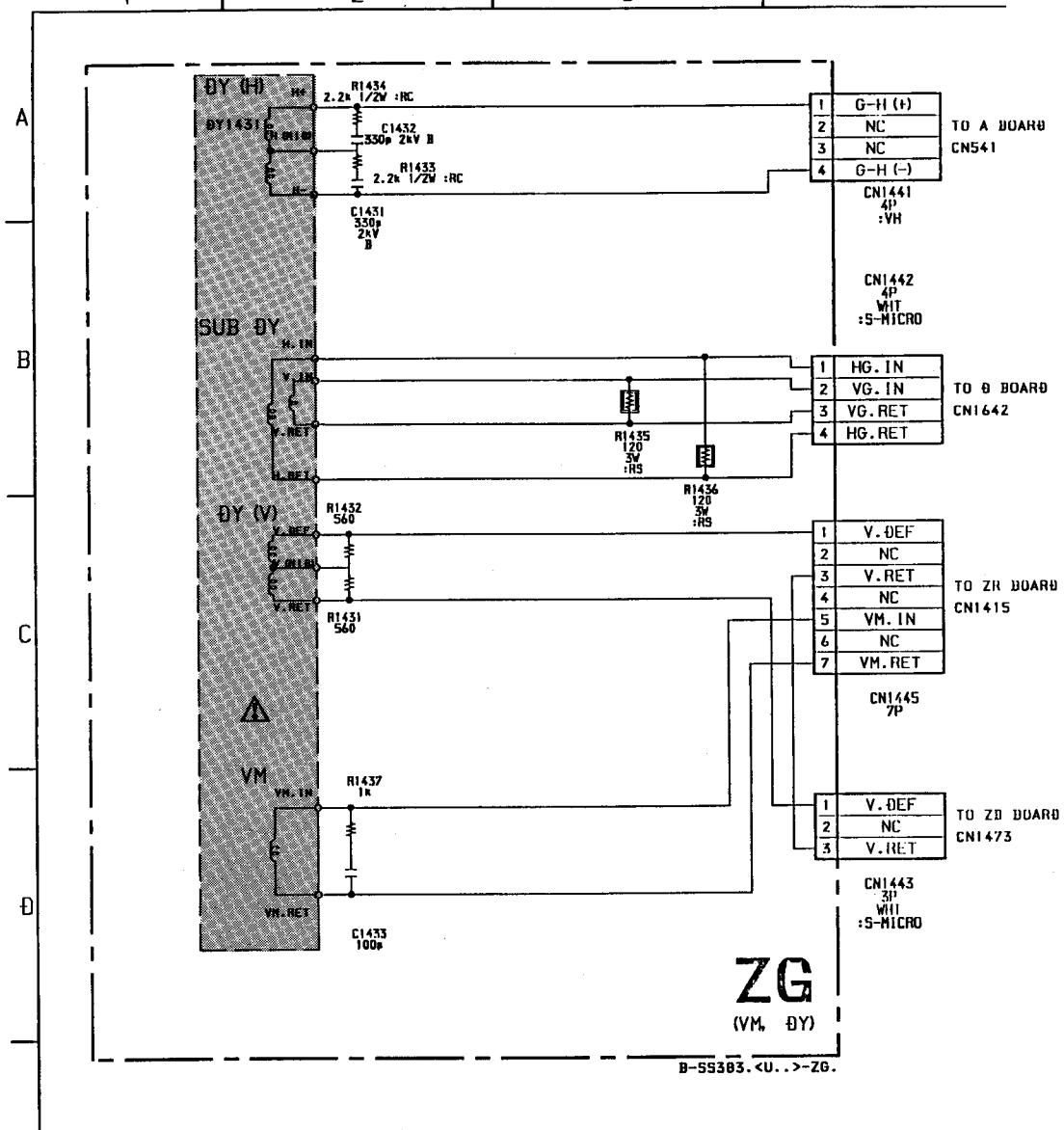
BOARD TRANSISTOR VOLTAGE LIST			
	E	C	B
1	-1.8	0	-3.9
2	-1185	-1.8	-1203
1	1355	0.2	135.4
2	13.0	GND	15.1
3	GND	15.1	0
4	15.7	-2.0	15.7
5	GND	0.2	0.8
6	2.7	0.2	2.7
7	GND	2.7	0.2
8	15.0	8.2	14.8
9	15.0	15.3	14.6
0	15.0	15.3	14.6
1	11.0	0.2	11.5
2	12.0	12.1	11.4
3	15.0	15.3	14.6

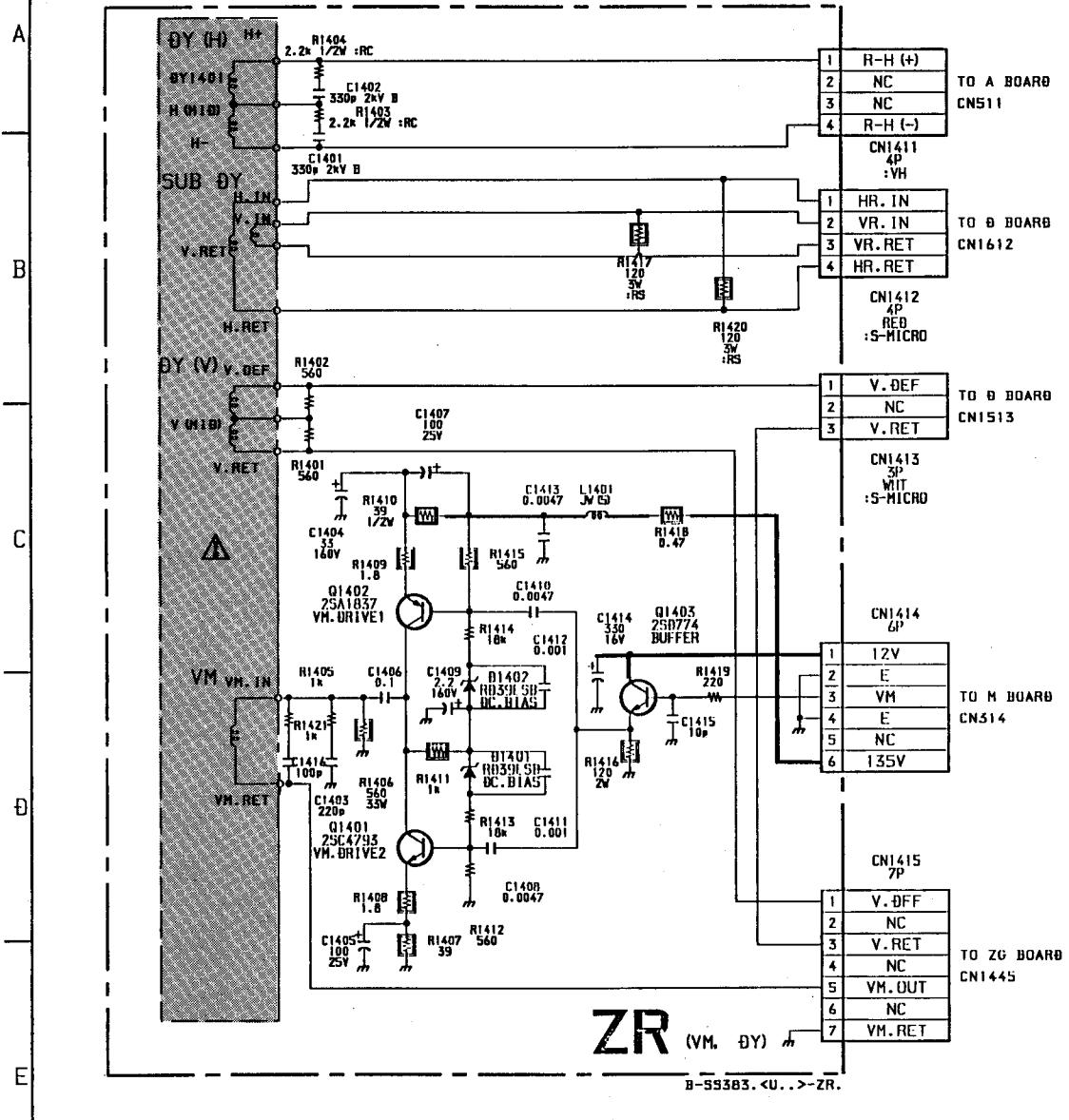


#### ZR BOARD TRANSISTOR VOLTAGE LIST

	E	C	B
Q1401	0	-0.5	0
Q1402	-1.0	-0.5	-0.9
Q1403	4.8	12.0	5.4

ALL VOLTAGES ARE IN V



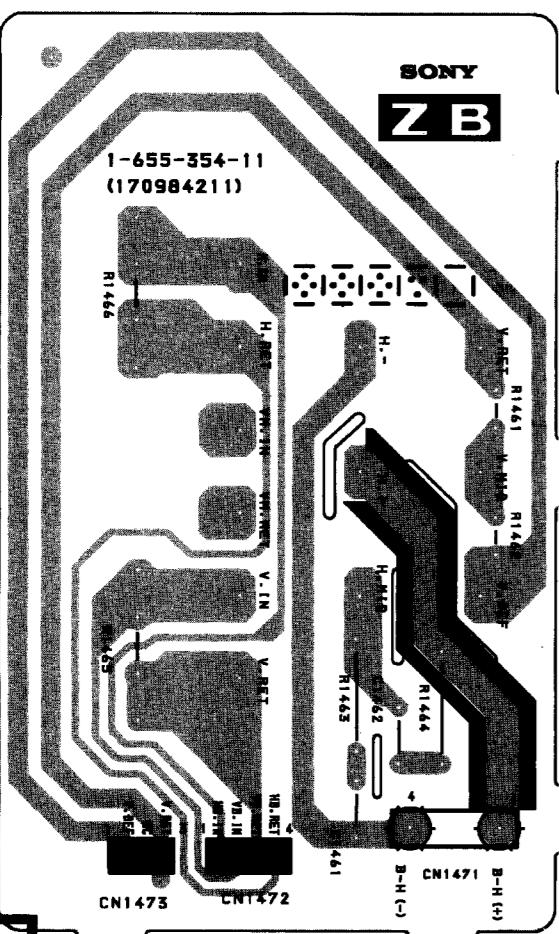

**ZR BOARD TRANSISTOR VOLTAGE LIST**

	E	C	B
Q1401	0	-0.5	0
Q1402	-1.0	-0.5	-0.9
Q1403	4.8	12.0	5.4

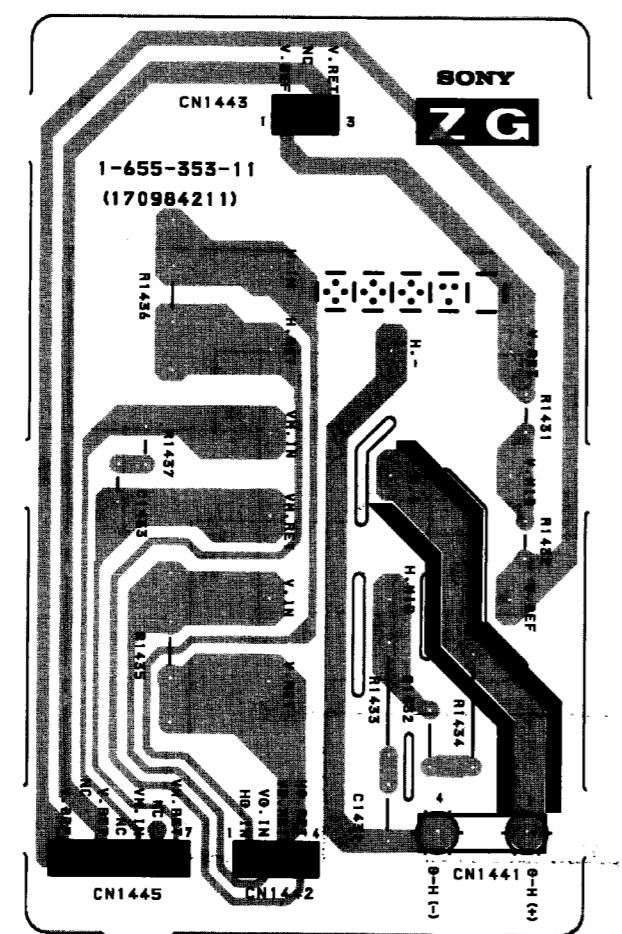
ALL VOLTAGES ARE IN V

**ZB** [VM, DY] **ZG** [VM, DY] **ZR** [VM, DY] **HB** [SIRCS RECEIVER  
INDICATOR]

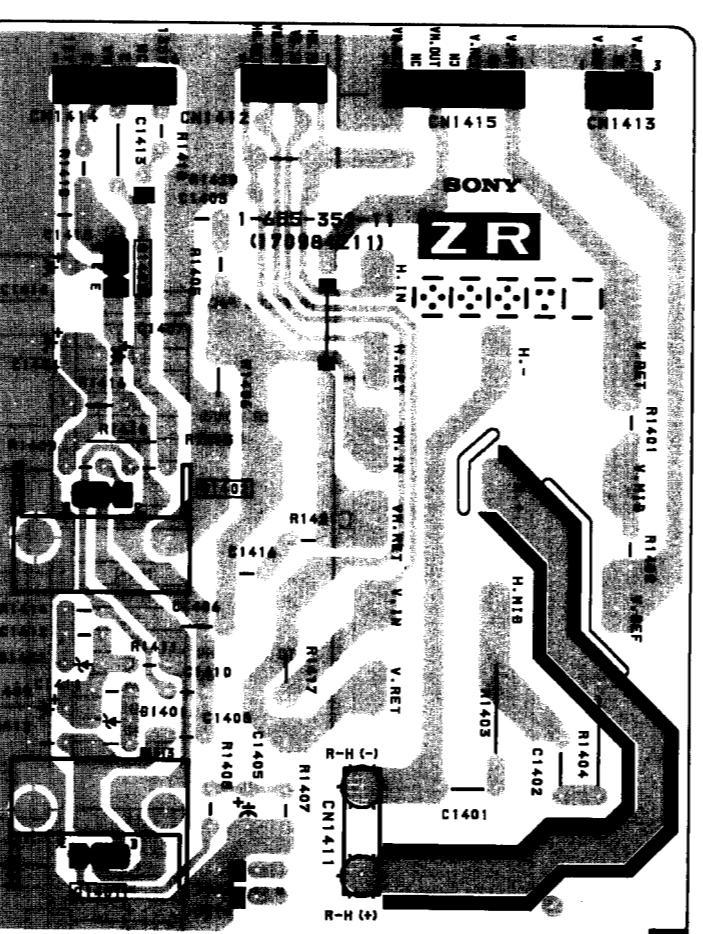
— ZB BOARD —



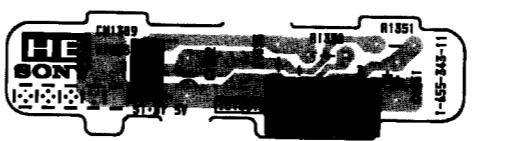
— ZG BOARD —

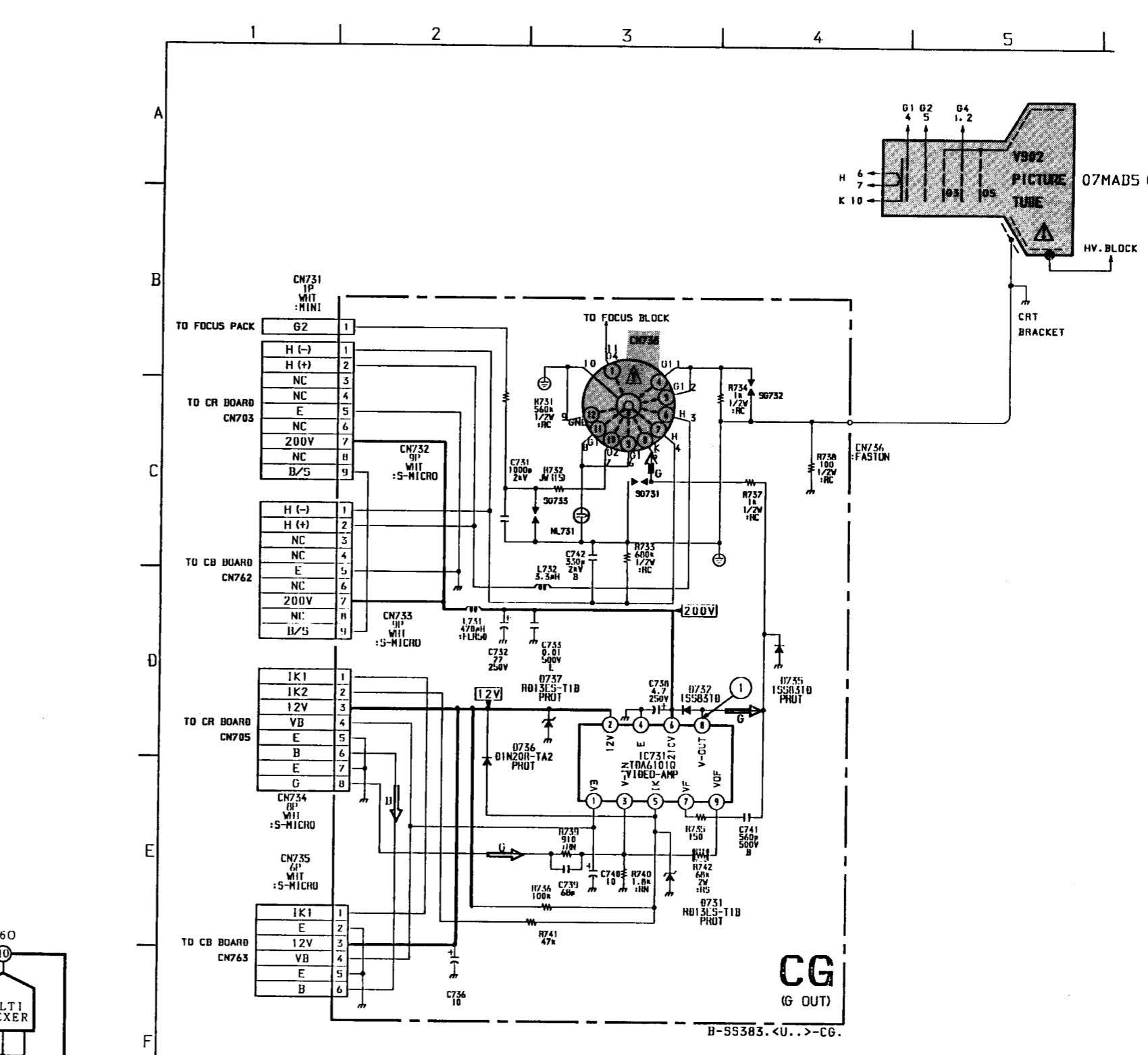
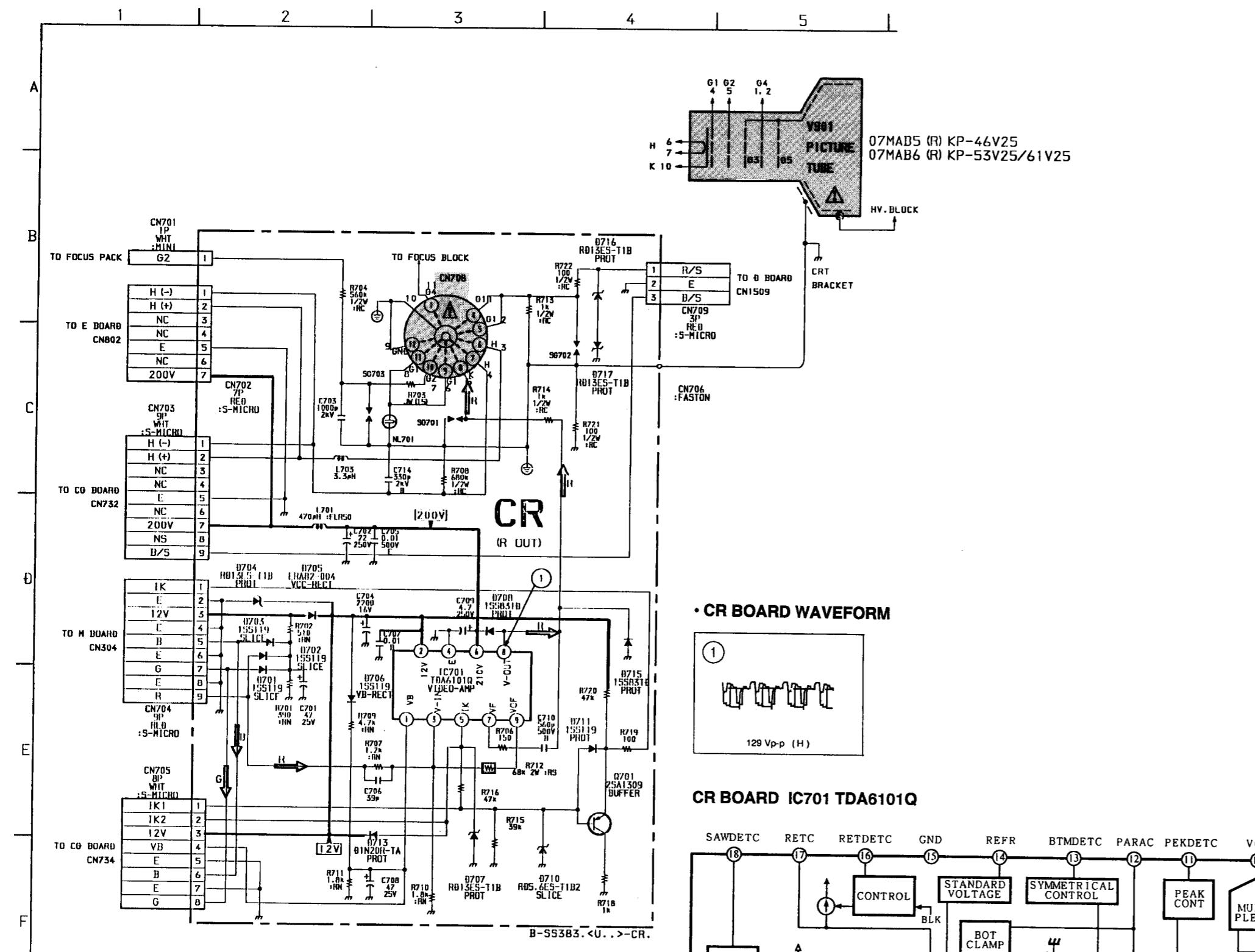


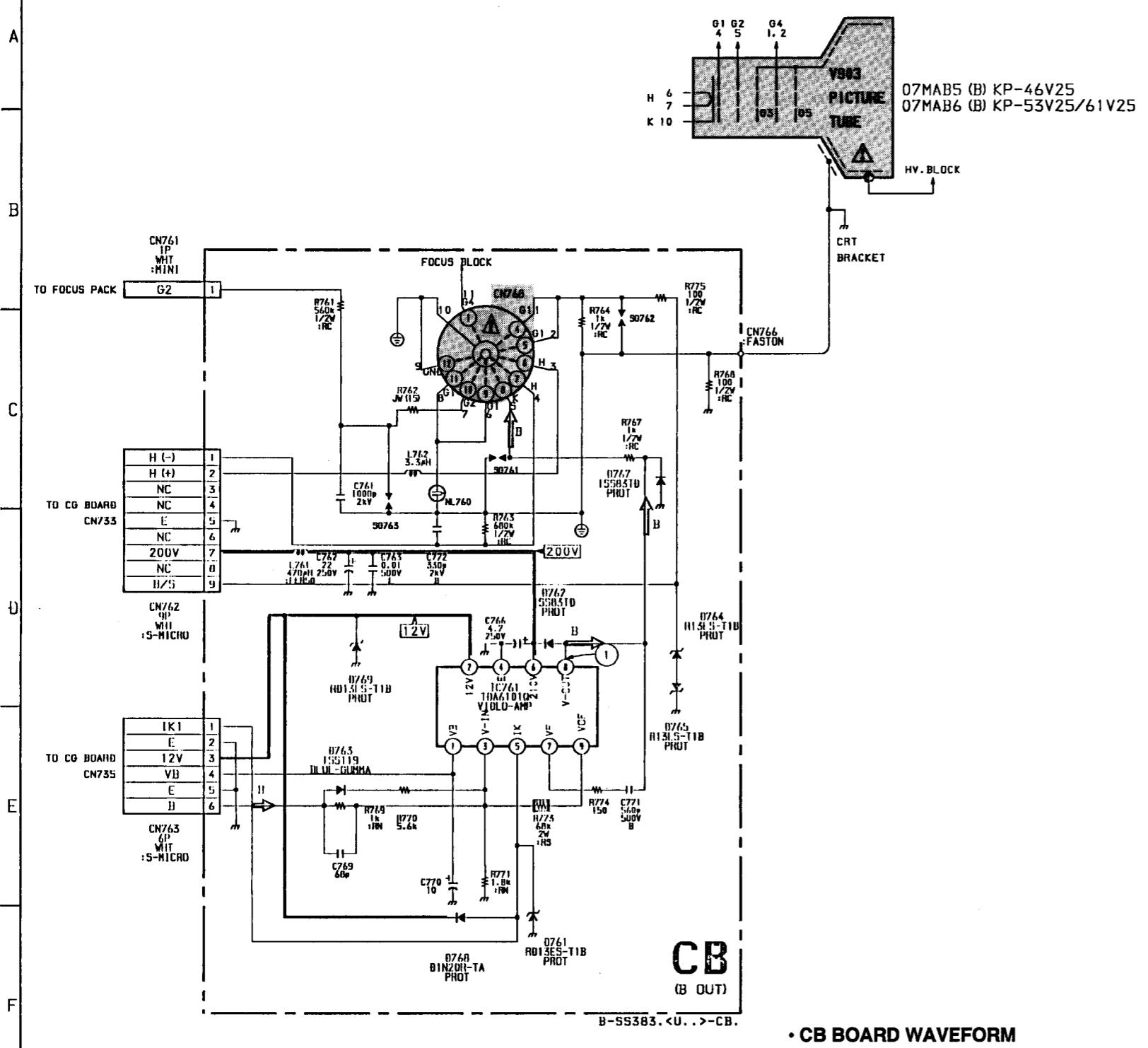
## — ZB BOARD —



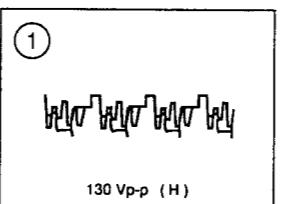
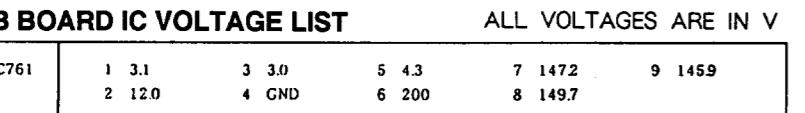
**– HB BOARD – (KP-46V25/53V25 only)**





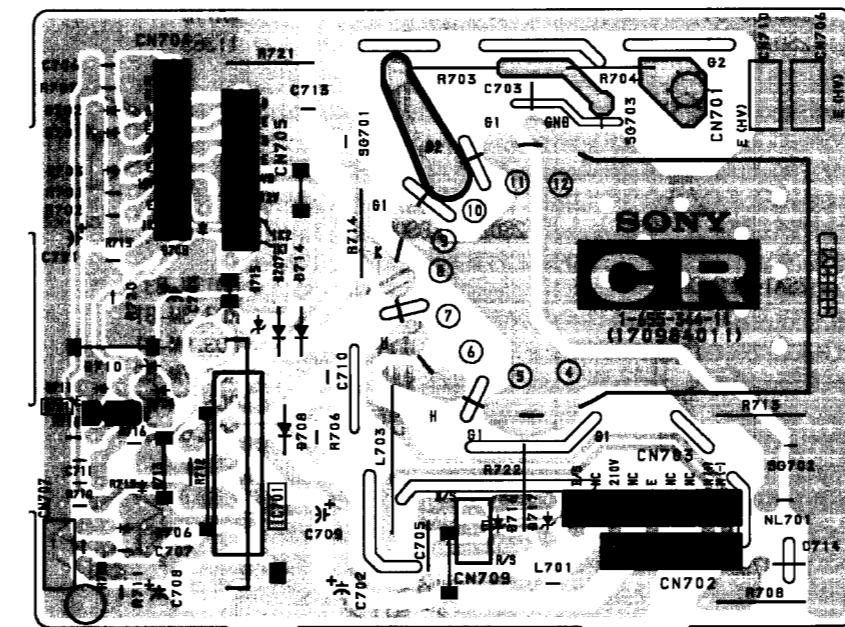


• CB BOARD WAVEFORM

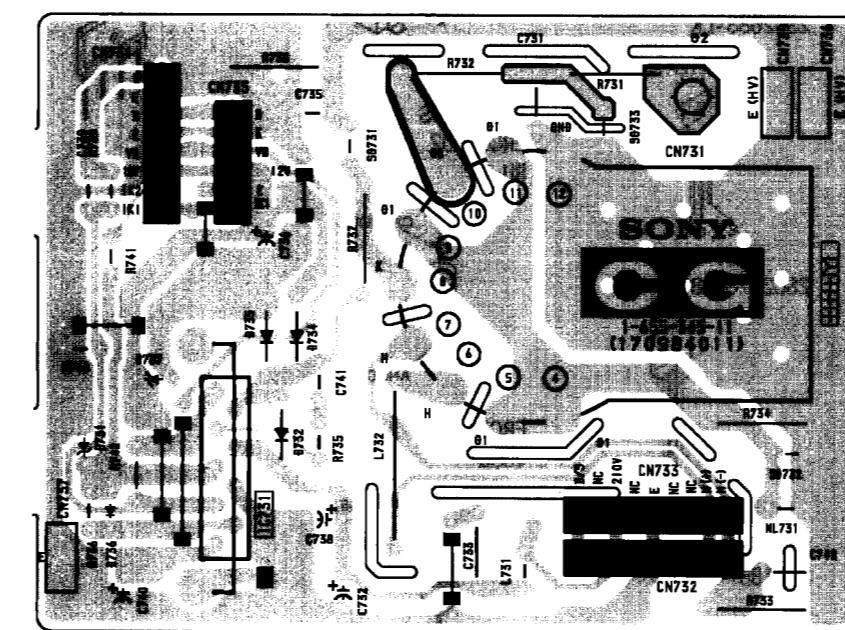


**CR** [R OUT] **CG** [G OUT] **CB** [B OUT]

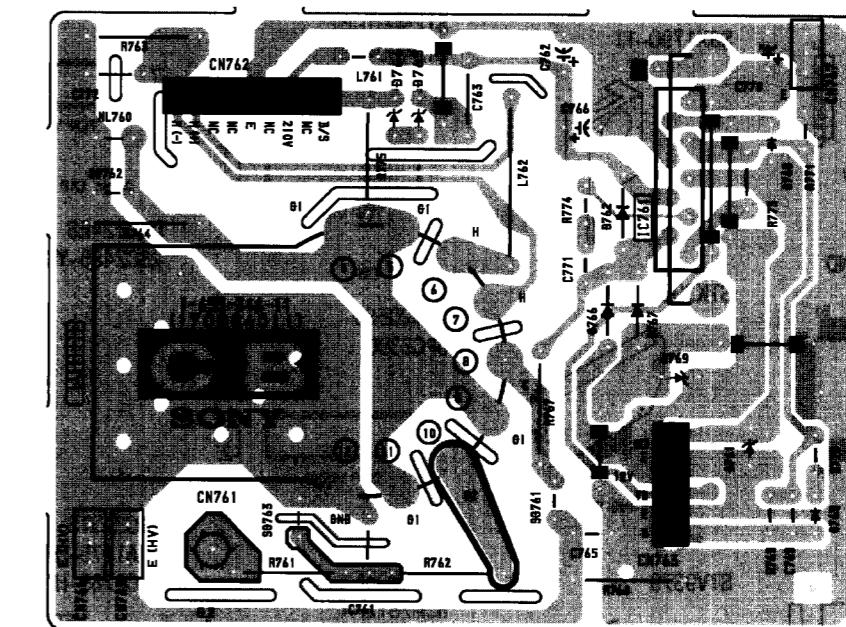
– CR BOARD –



– CG BOARD –



– CB BOARD –

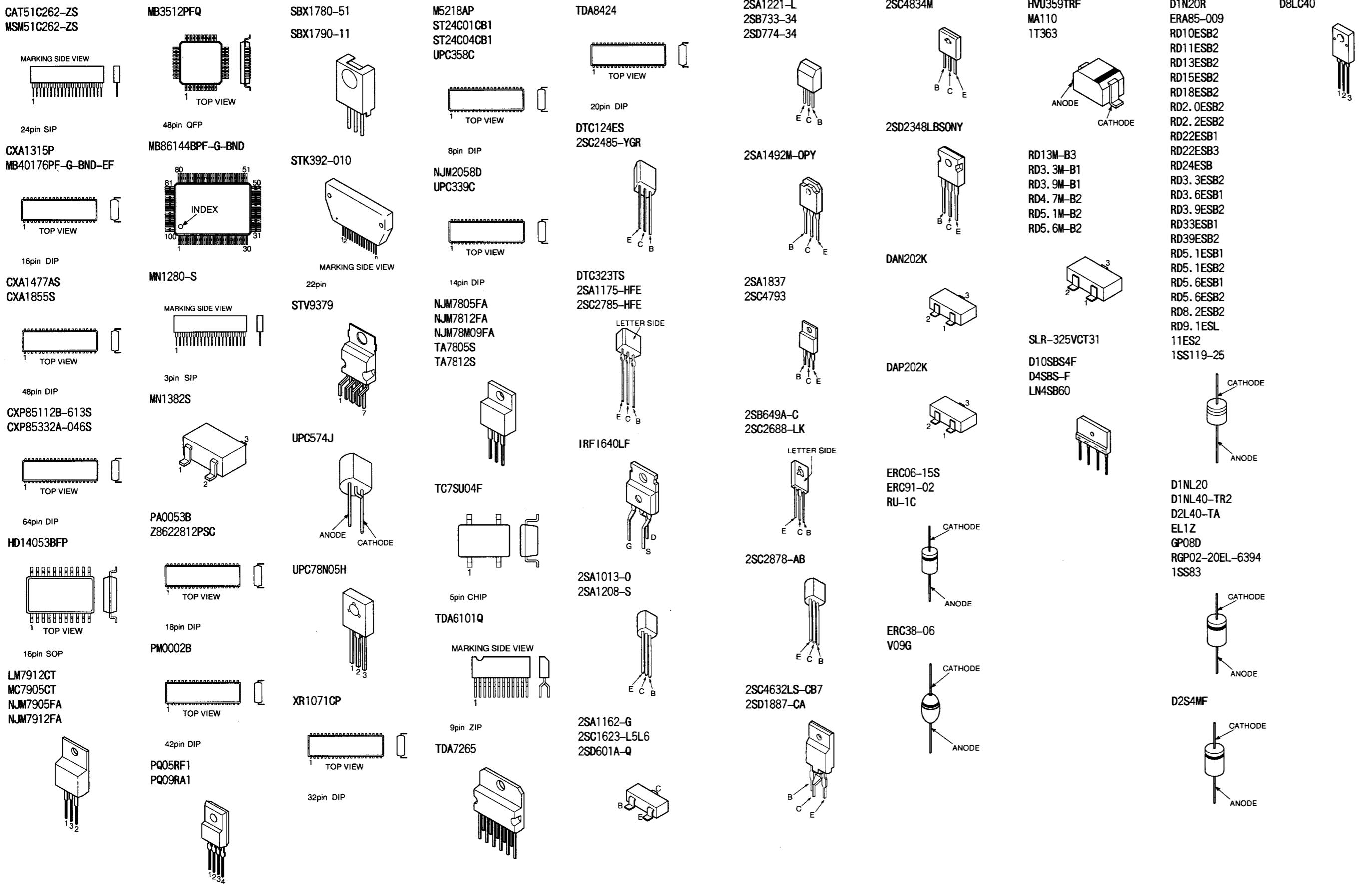


## SECTION 5 CODED VIEWS

The components identified by  
padding and mark  are criti-  
cal for safety.  
Replace only with part number  
specified.

es composants identifies par une trame et une marque  sont critiques pour la securite. Il faut les remplacer que par une piece portant le numero specifie.

#### 4-4. SEMICONDUCTORS



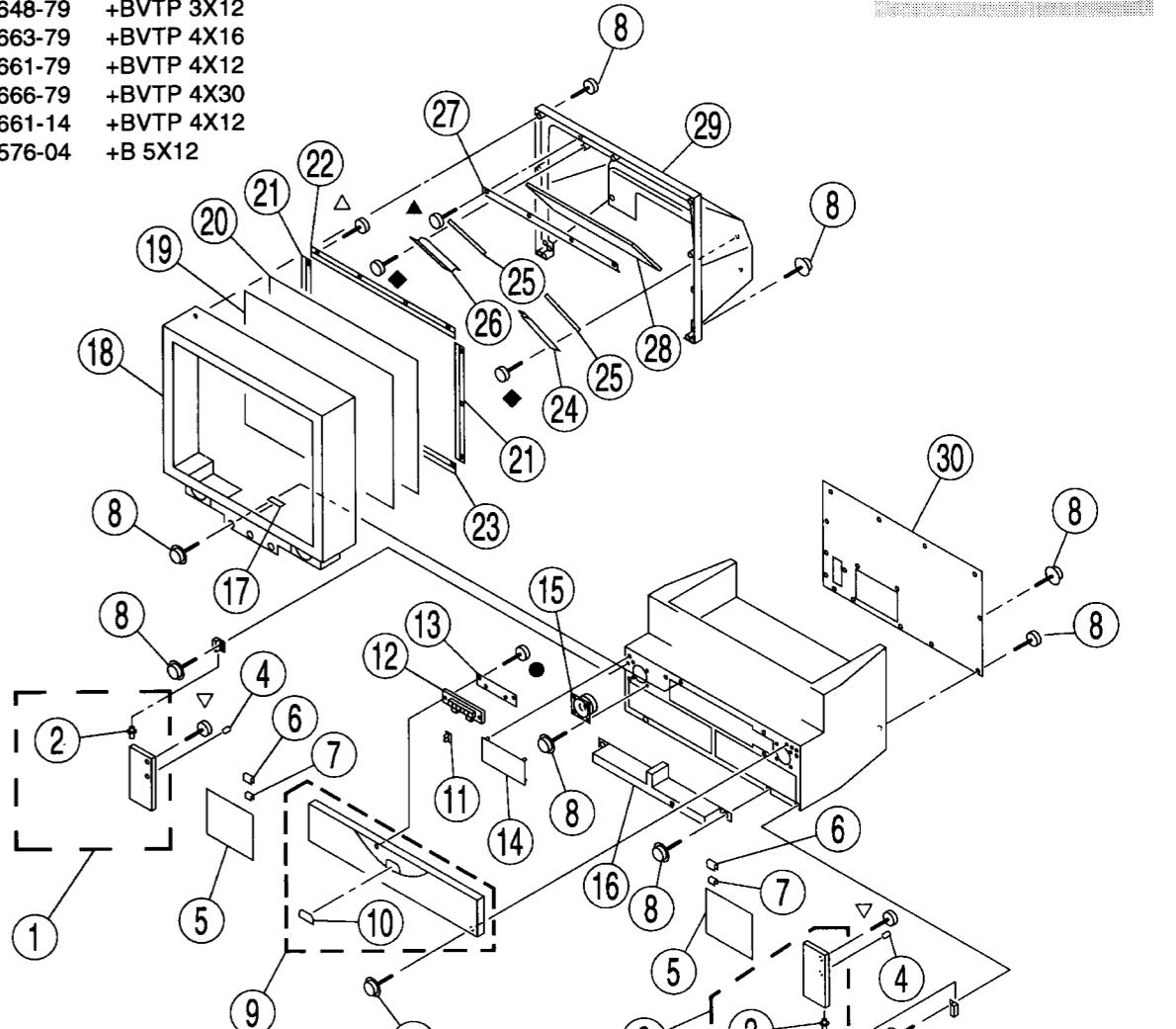
**NOTE:**

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.

Items marked " \* " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

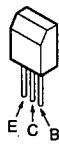
## 5-1. COVER (KP-46V25/53V25)

: 7-685-648-79	+BVTP 3X12
: 7-685-663-79	+BVTP 4X16
: 7-685-661-79	+BVTP 4X12
: 7-685-666-79	+BVTP 4X30
: 7-685-661-14	+BVTP 4X12
: 7-682-576-04	+B 5X12

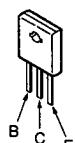


REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
1	X-4032-707-1	DOOR (L) ASSY, RACK	(KP-53V25)	2	4-037-360-11	PLATE (L), DIFFUSION	(KP-46V25)
2	4-048-634-01	SHAFT		20	4-048-205-11	PLATE (F), DUFFUSION	(KP-46V25)
3	X-4032-708-1	DOOR (R) ASSY, RACK		2	4-036-469-01	PLATE (F), DIFFUSION	(KP-53V25)
4	4-036-901-01	SCREW		21	* 4-048-152-01	HOLDER (S), SCREEN	(KP-46V25)
5	4-048-790-01	GLASS (53), DOOR			* 4-048-152-11	HOLDER (S), SCREEN	(KP-53V25)
6	4-038-384-01	CATCHER, MAGNET	10	22	* 4-048-159-01	HOLDER (L), SCREEN	(KP-46V25)
7	4-038-385-01	SPACER			* 4-048-159-11	HOLDER (L), SCREEN	(KP-53V25)
8	4-041-164-11	SCREW (4X20), TAPPING		23	* 4-048-159-21	HOLDER (L), SCREEN	(KP-46V25)
9	X-4032-613-1	PANEL ASSY, CONTROL			* 4-048-159-31	HOLDER (L), SCREEN	(KP-53V25)
10	4-048-000-01	DOOR, CONTROL		24	* 4-049-096-01	HOLDER (RIGHT), SIDE	
11	4-047-998-01	GUIDE, LIGHT, LED	(KP-46V25)	25	* 4-049-098-01	CUSHION	
12	4-048-001-01	BUTTON, MULTI		26	* 4-049-097-01	HOLDER (LEFT), SIDE	
13	* A-1372-112-A	HA BOARD, COMPLETE		27	* 4-037-351-01	HOLDER, MIRROR	
14	4-048-335-01	GRILLE, SPEAKER		28	* 4-048-741-01	MIRROR, REFLECTION	
15	1-504-785-11	SPEAKER (10CM)		29	* 4-048-639-01	COVER, MIRROR	(KP-46V25)
16	4-048-247-01	PANEL, FRONT ORNAMENT	(KP-46V25)		* 4-048-640-01	COVER, MIRROR	(KP-53V25)
17	* A-1372-111-A	HB BOARD, COMPLETE		30	* 4-048-794-01	PLATE (46), REAR	(KP-46V25)
18	X-4032-998-1	BEZNET ASSY			* 4-048-793-01	PLATE (53), REAR	(KP-53V25)
	X-4032-999-1	BEZNET ASSY					
19	4-036-466-01	PLATE (L), DIFFUSION	(KP-53V25)				

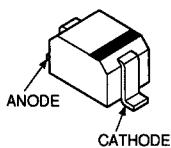
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2SB733-34  
2SD774-34



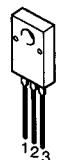
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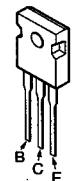
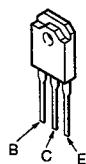
HVU359TRF  
MA110  
1T363



D1N20R  
ERA85-009  
RD10ESB2  
RD11ESB2  
RD13ESB2  
RD15ESB2  
RD18ESB2  
RD2.0ESB2  
RD2.2ESB1  
RD22ESB1  
RD22ESB3  
RD24ESB  
RD3.3ESB2  
RD3.6ESB1  
RD3.9ESB2  
RD33ESB1  
RD39ESB2  
RD5.1ESB1  
RD5.1ESB2  
RD5.6ESB1  
RD5.6ESB2  
RD8.2ESB2  
RD9.1ESL  
11ES2  
1SS119-25

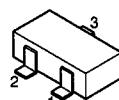


2SA1492M-OPY



RD13M-B3  
RD3.3M-B1  
RD3.9M-B1  
RD4.7M-B2  
RD5.1M-B2  
RD5.6M-B2

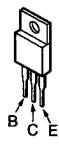
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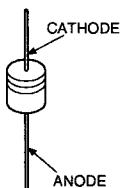
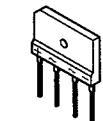
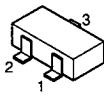
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D4SBS-F  
LN4SB60

11ES2  
1SS119-25

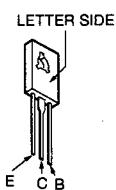
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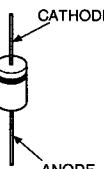
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2SC2688-LK



ERC06-15S  
ERC91-02  
RU-1C

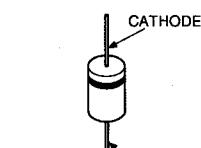


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D1NL40-TR2  
D2L40-TA  
EL1Z  
GP08D  
RGP02-20EL-6394  
1SS83

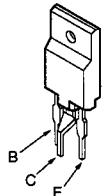
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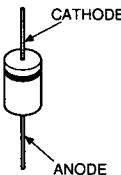
ERC38-06  
V09G



2SC4632LS-CB7  
2SD1887-CA



D2S4MF



## SECTION 5

### EXPLODED VIEWS

#### NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a callout number in the remark column.

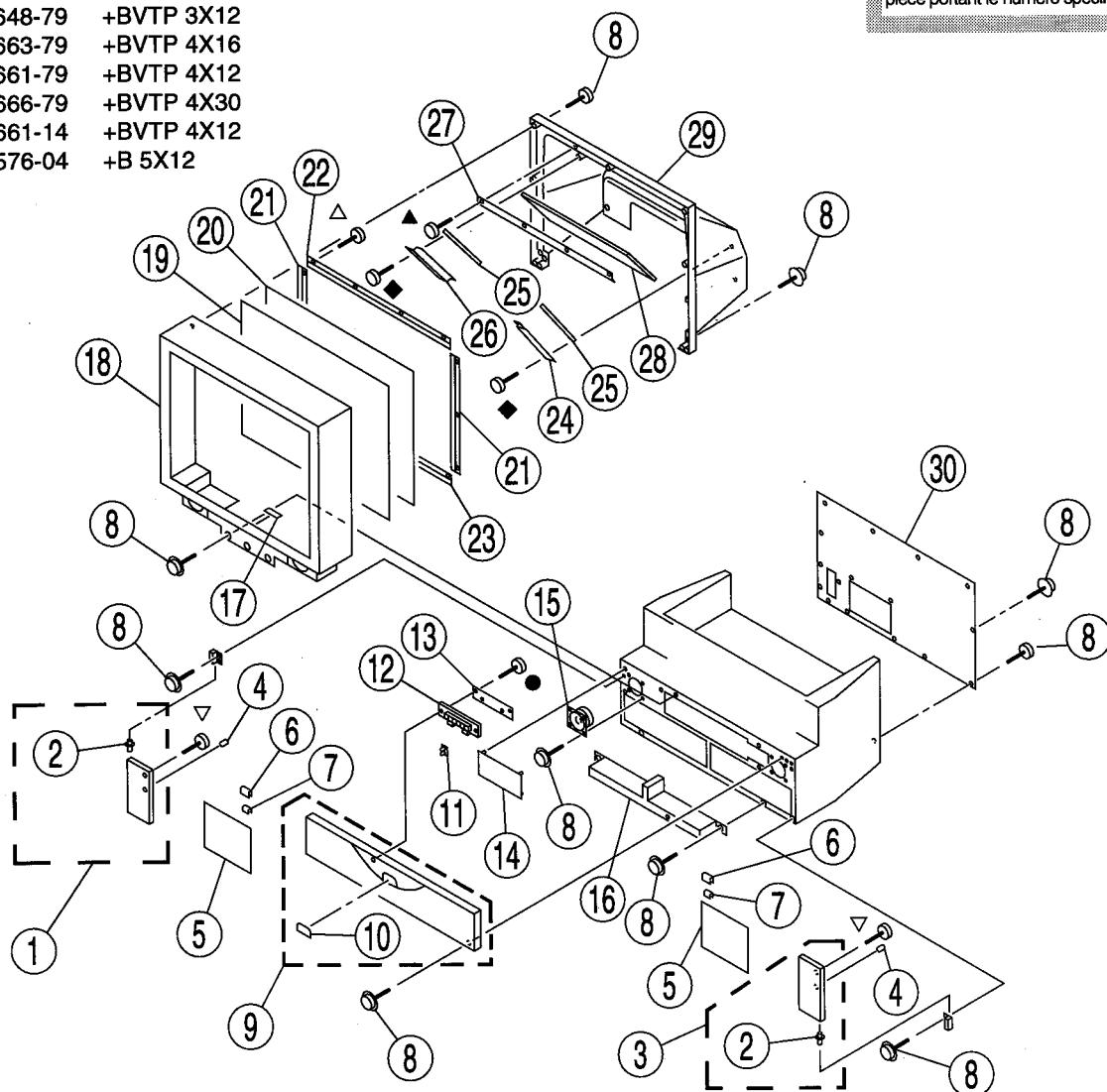
- Items marked " \* " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark  $\triangle$  are critical for safety.  
Replace only with part number specified.

Les composants identifiés par une trame et une marque  $\triangle$  sont critiques pour la sécurité.  
Ne les remplacer que par une pièce portant le numéro spécifié.

#### 5-1. COVER (KP-46V25/53V25)

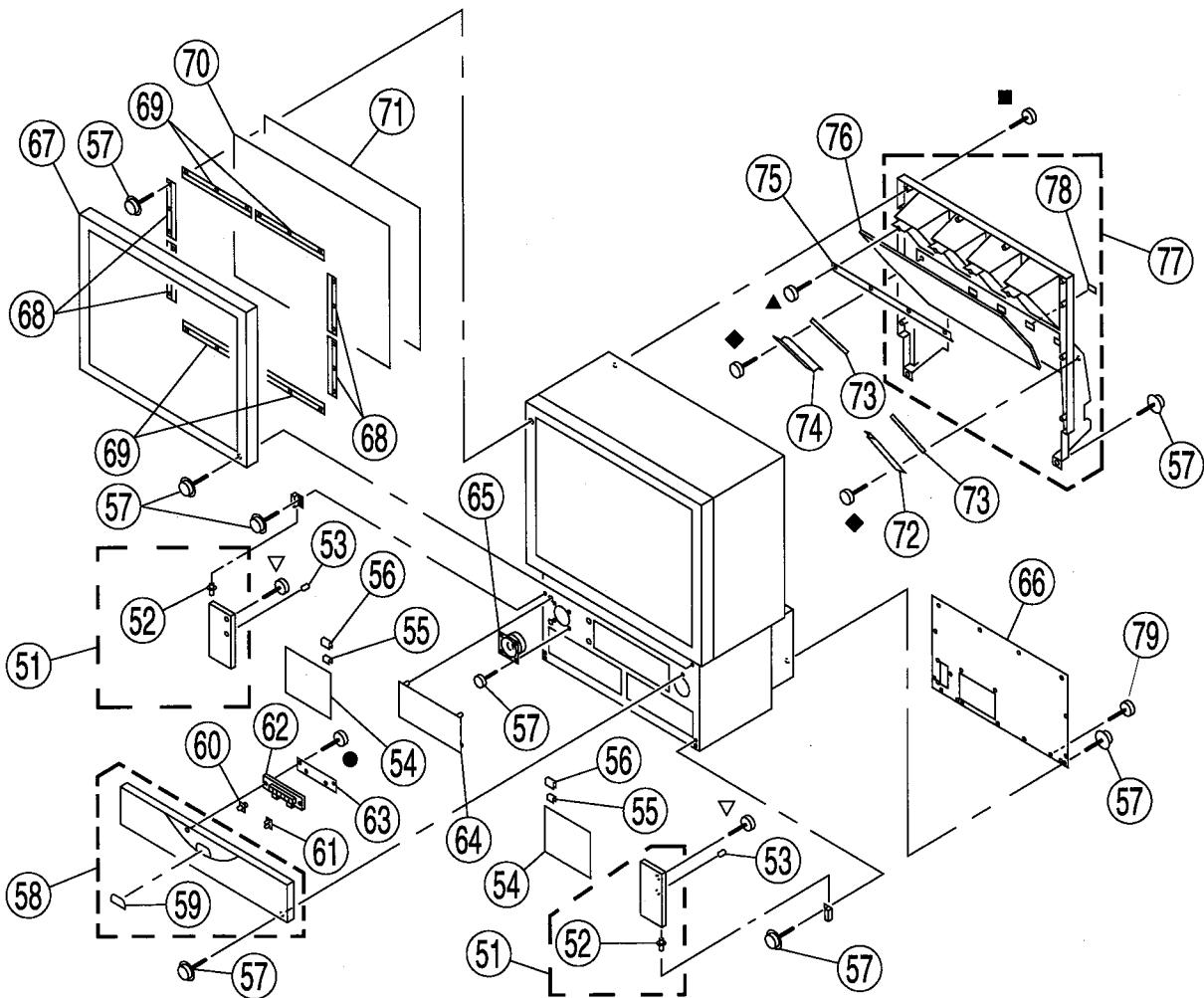
- : 7-685-648-79 +BVTP 3X12
- : 7-685-663-79 +BVTP 4X16
- ▲ : 7-685-661-79 +BVTP 4X12
- ◆ : 7-685-666-79 +BVTP 4X30
- △ : 7-685-661-14 +BVTP 4X12
- ▽ : 7-682-576-04 +B 5X12



REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK	
1	X-4032-707-1	DOOR (L) ASSY, RACK		2	4-037-360-11	PLATE (L), DIFFUSION	(KP-46V25)	
2	4-048-634-01	SHAFT		20	4-048-205-11	PLATE (F), DIFFUSION	(KP-46V25)	
3	X-4032-708-1	DOOR (R) ASSY, RACK		21	4-036-469-01	PLATE (F), DIFFUSION	(KP-53V25)	
4	4-036-901-01	SCREW		21	* 4-048-152-01	HOLDER (S), SCREEN	(KP-46V25)	
5	4-048-790-01	GLASS (53), DOOR		6	* 4-048-152-11	HOLDER (S), SCREEN	(KP-53V25)	
6	4-038-384-01	CATCHER, MAGNET		22	* 4-048-159-01	HOLDER (L), SCREEN	(KP-46V25)	
7	4-038-385-01	SPACER		22	* 4-048-159-11	HOLDER (L), SCREEN	(KP-53V25)	
8	4-041-164-11	SCREW (4X20), TAPPING		23	* 4-048-159-21	HOLDER (L), SCREEN	(KP-46V25)	
9	X-4032-613-1	PANEL ASSY, CONTROL		23	* 4-048-159-31	HOLDER (L), SCREEN	(KP-53V25)	
10	4-048-000-01	DOOR, CONTROL		10	24	* 4-049-096-01	HOLDER (RIGHT), SIDE	
11	4-047-998-01	GUIDE, LIGHT, LED		25	* 4-049-098-01	CUSHION		
12	4-048-001-01	BUTTON, MULTI		26	* 4-049-097-01	HOLDER (LEFT), SIDE		
13	* A-1372-112-A	HA BOARD, COMPLETE	(KP-46V25)	27	* 4-037-351-01	HOLDER, MIRROR		
14	4-048-335-01	GRILLE, SPEAKER		28	* 4-048-741-01	MIRROR, REFLECTION		
15	1-504-785-11	SPEAKER (10CM)		29	* 4-048-639-01	COVER, MIRROR		
16	4-048-247-01	PANEL, FRONT ORNAMENT		29	* 4-048-640-01	COVER, MIRROR	(KP-46V25)	
17	* A-1372-111-A	HB BOARD, COMPLETE	(KP-53V25)	30	* 4-048-794-01	PLATE (46), REAR	(KP-46V25)	
18	X-4032-998-1	BEZNET ASSY	(KP-53V25)	30	* 4-048-793-01	PLATE (53), REAR	(KP-53V25)	
19	X-4032-999-1	BEZNET ASSY	(KP-53V25)					
	4-036-466-01	PLATE (L), DIFFUSION	(KP-53V25)					

5-2. COVER (KP-61V25)

- : 7-685-648-79 +BVTP 3X12
- : 7-685-663-79 +BVTP 4X16
- ▲ : 7-685-661-79 +BVTP 4X12
- ◆ : 7-685-666-79 +BVTP 4X30
- ▽ : 7-682-576-04 +B 5X12



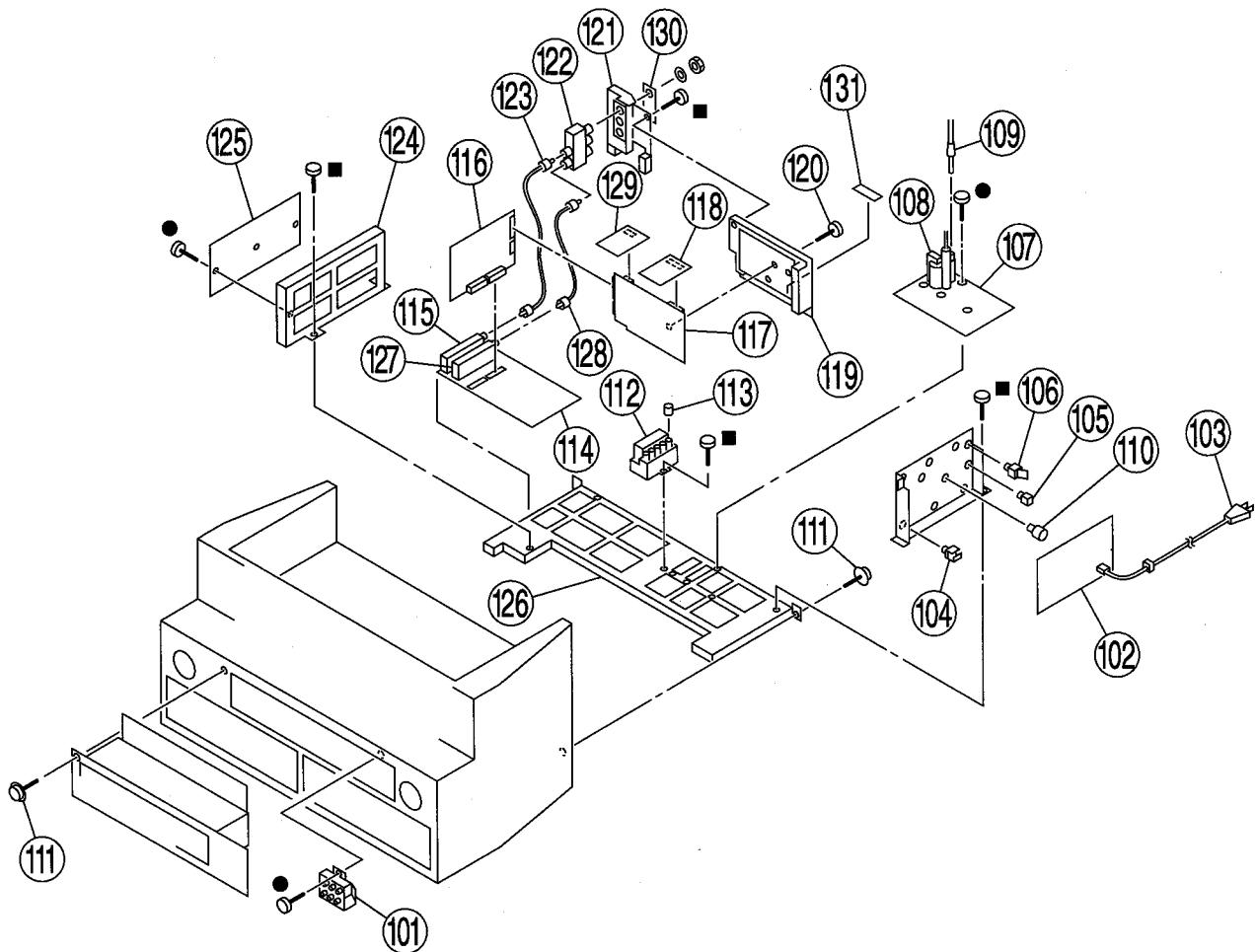
REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
51	X-4032-709-1	DOOR ASSY, RACK		52	65	1-504-785-11	SPEAKER (10CM)
52	4-048-634-01	SHAFT		66	* 4-049-034-01	PLATE, REAR	
53	4-036-901-01	SCREW		67	X-4032-762-1	FRAME ASSY, SCREEN	
54	4-048-791-01	GLASS (61), DOOR		68	* 4-040-122-01	HOLDER (S), SCREEN	
55	4-038-385-01	SPACER		69	* 4-040-120-01	HOLDER (L), SCREEN	
56	4-038-384-01	CATCHER, MAGNET		70	4-040-124-11	PLATE (L), DIFFUSION	
57	4-041-164-11	SCREW (4X20), TAPPING		71	4-040-123-11	PLATE (F), DIFFUSION	
58	X-4032-612-1	PANEL ASSY, CONTROL		72	* 4-049-096-01	HOLDER (RIGHT), SIDE	
59	4-048-000-01	DOOR, CONTROL		73	* 4-049-098-01	CUSHION	
60	4-047-999-01	FILTER, REMOTE		74	* 4-049-097-01	HOLDER (LEFT), SIDE	
61	4-047-998-01	GUIDE, LIGHT, LED		75	* 4-037-351-01	HOLDER, MIRROR	
62	4-048-001-01	BUTTON, MULTI		76	4-050-128-01	MIRROR (61")	
63	* A-1372-099-A	HA BOARD, COMPLETE		77	* X-4032-620-1	COVER ASSY, MIRROR	
64	4-048-335-01	GRILLE, SPEAKER		78	4-048-150-01	CAP, HOLE	
				79	4-041-164-11	SCREW (4X20), TAPPING	

**5-3. CHASSIS**

- : 7-685-648-79 +BVTP 3X12
- : 7-685-663-79 +BVTP 4X16

The components identified by shading and mark **▲** are critical for safety.  
Replace only with part number specified.

Les composants identifiés par une trame et une marque **▲** sont critiques pour la sécurité.  
Ne les remplacer que par une pièce portant le numéro spécifié.



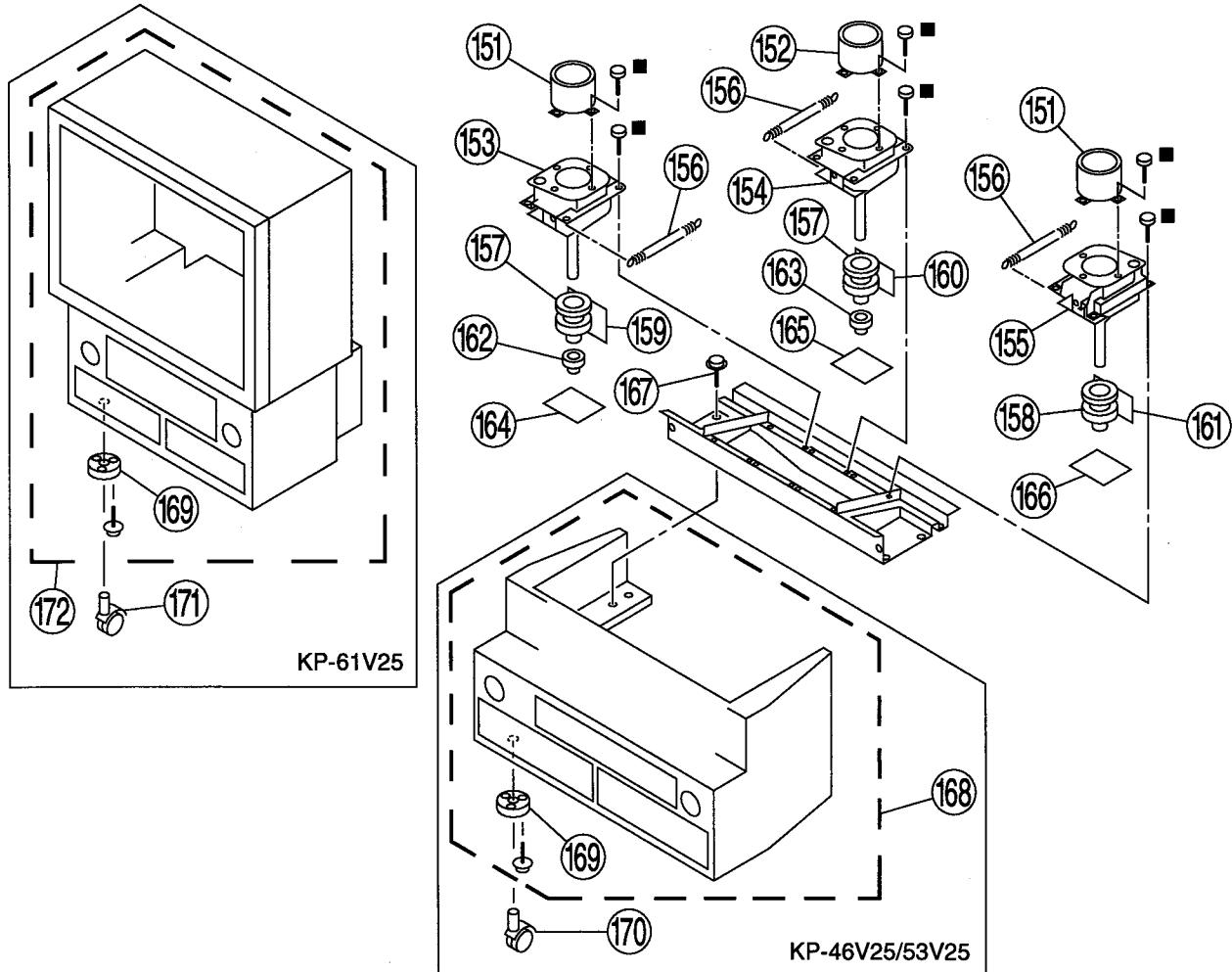
REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
101	▲ 1-223-925-11	RESISTOR ASSY (HIGH VOLTAGE)		116	* A-1306-497-A	M BOARD, COMPLETE	
102	* A-1316-212-A	G BOARD, COMPLETE		117	* A-1373-514-A	U BOARD, COMPLETE	
103	▲ 1-769-837-11	CORD, POWER (WITH NOISE FILTER) (7.0A/125V)		118	* A-1195-062-A	P BOARD, COMPLETE	
104	* 3-659-682-11	HOLDER, PC BOARD		119	4-047-951-11	TERMINAL BOARD (A)	
105	* 4-382-848-01	HOLDER, PCB		120	4-041-165-01	SCREW (3X12), TAPPING, +BV	
106	* 3-703-141-00	HOLDER, PCB		121	4-047-952-11	TERMINAL BOARD (B)	
107	* A-1341-885-A	E BOARD, COMPLETE		122	1-417-178-11	SELECTOR, ANTENNA (AS-2)	
108	▲ 1-453-189-11	TRANSFORMER ASSY. FLYBACK (NX-2631/A4S)		123	1-556-945-21	CABLE, P-P	
109	▲ 1-900-211-34	LEAD ASSY. HV		124	* 4-047-950-01	BRACKET, D PC BOARD	
110	* 3-687-542-41	SPACER, PC BOARD SPACE		125	* A-1346-296-A	D BOARD, COMPLETE	
111	4-041-164-11	SCREW (4X20), TAPPING		126	* 4-047-949-01	BRACKET, MAIN PC BOARD	
112	▲ 8-598-955-00	BLOCK ASSY. HIGH VOLTAGE		127	▲ 8-598-047-11	TUNER, BT (BTFLA401)	
113	4-373-137-01	CAP (Z), RUBBER		128	* 1-557-056-41	CABLE, P-P	
114	* A-1297-493-A	A BOARD, COMPLETE	(KP-46V25/53V25)	129	8-741-797-01	FILTER, DIGITAL COM SBX1797-01	
	* A-1297-606-A	A BOARD, COMPLETE	(KP-61V25)	130	4-047-937-01	LABEL (B), TERMINAL	
115	▲ 8-598-254-00	TUNER (BTFLA402)		131	4-049-665-01	LABEL, IN/OUT	

## 5-4. PICTURE TUBE

■ : 7-685-663-79 +BVTP 4X16

The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque  $\Delta$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.



REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
151	4-034-057-01	LENS (LINNIT)	(KP-46V25/53V25)	161	* A-1390-491-A	ZB BOARD, COMPLETE	
	4-040-131-01	LENS (LINNIT POINT 6)	(KP-61V25)	162	$\Delta$ 1-452-790-21	NECK ASSY	
152	4-034-057-11	LENS (LINNIT)	(KP-46V25/53V25)	163	$\Delta$ 1-452-790-11	NECK ASSY	
	4-040-131-11	LENS (LINNIT POINT 6)	(KP-61V25)	164	* A-1331-408-A	CR BOARD, COMPLETE	
153	$\Delta$ 8-736-080-05	PICTURE TUBE 07MAB5(R)	(KP-46V25)	165	* A-1331-409-A	CG BOARD, COMPLETE	
	$\Delta$ 8-736-082-05	PICTURE TUBE 07MAB6(R) (KP-53V25/61V25)		166	* A-1331-410-A	CB BOARD, COMPLETE	
154	$\Delta$ 8-736-078-05	PICTURE TUBE 07MAB5(G)		167	4-041-164-11	SCREW (4X20), TAPPING	
155	$\Delta$ 8-736-079-05	PICTURE TUBE 07MAB5(B)	(KP-46V25)	168	* X-4032-691-1	CABINET ASSY, BOTTOM	(KP-53V25) 169
	$\Delta$ 8-736-081-05	PICTURE TUBE 07MAB6(B) (KP-53V25/61V25)			* X-4032-692-1	CABINET ASSY, BOTTOM	(KP-46V25) 169
156	4-048-142-01	SPRING, TENSION		169	4-030-850-01	SOCKET, CASTER	
157	$\Delta$ 8-451-463-11	DEFLECTION YOKE (Y829PA2N) (R) (G)		170	4-049-006-01	CASTER	(KP-46V25/53V25)
158	$\Delta$ 8-451-463-21	DEFLECTION YOKE (Y829PA2N2) (B)		171	4-040-508-01	CASTER	(KP-61V25)
159	* A-1390-487-A	ZR BOARD, COMPLETE		172	* X-4032-761-1	CABINET ASSY	(KP-61V25) 169
160	* A-1390-489-A	ZG BOARD, COMPLETE					

## SECTION 6

### ELECTRICAL PARTS LIST

**P**

**NOTE:**

Les composants identifiés par une trame et une marque  $\Delta$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

• The components identified by  $\Delta$  in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

• Items marked " \* " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

• All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

#### RESISTORS

- All resistors are in ohms
- F : nonflammable

When indicating parts by reference number, please include the board name.

• CAPACITORS  
 PF :  $\mu\mu$  F

• There are some cases the reference number on one board overlaps on the other board. Therefore, when ordering parts by the reference number, please include the board name.

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK				
* A-1195-062-A	P BOARD, COMPLETE			C3250	1-163-113-00	CERAMIC CHIP 68PF	5% 50V				
<b>&lt;CAPACITOR&gt;</b>				C3251	1-164-232-11	CERAMIC CHIP 0.01 $\mu$ F	10% 50V				
C3201	1-126-967-11	ELECT 47 $\mu$ F	20% 16V	C3252	1-163-103-00	CERAMIC CHIP 27PF	5% 50V				
C3203	1-164-004-11	CERAMIC CHIP 0.1 $\mu$ F	10% 25V	C3253	1-163-101-00	CERAMIC CHIP 22PF	5% 50V				
C3204	1-126-964-11	ELECT 10 $\mu$ F	20% 50V	C3254	1-163-141-00	CERAMIC CHIP 0.001 $\mu$ F	5% 50V				
C3205	1-126-964-11	ELECT 10 $\mu$ F	20% 50V	C3255	1-163-101-00	CERAMIC CHIP 22PF	5% 50V				
C3206	1-126-964-11	ELECT 10 $\mu$ F	20% 50V	C3256	1-164-232-11	CERAMIC CHIP 0.01 $\mu$ F	10% 50V				
C3207	1-163-117-00	CERAMIC CHIP 100PF	5% 50V	C3257	1-163-117-00	CERAMIC CHIP 100PF	5% 50V				
C3208	1-163-117-00	CERAMIC CHIP 100PF	5% 50V	C3258	1-163-113-00	CERAMIC CHIP 68PF	5% 50V				
C3209	1-126-111-11	ELECT 3.3 $\mu$ F	20% 50V	C3259	1-163-111-00	CERAMIC CHIP 56PF	5% 50V				
C3210	1-126-967-11	ELECT 47 $\mu$ F	20% 16V	C3260	1-163-119-00	CERAMIC CHIP 120PF	5% 50V				
C3212	1-126-111-11	ELECT 3.3 $\mu$ F	20% 50V	C3261	1-163-141-00	CERAMIC CHIP 0.001 $\mu$ F	5% 50V				
C3213	1-164-346-11	CERAMIC CHIP 1 $\mu$ F	16V	C3263	1-163-141-00	CERAMIC CHIP 0.001 $\mu$ F	5% 50V				
C3214	1-164-346-11	CERAMIC CHIP 1 $\mu$ F	16V	C3264	1-165-319-11	CERAMIC CHIP 0.1 $\mu$ F	50V				
C3215	1-164-346-11	CERAMIC CHIP 1 $\mu$ F	16V	C3265	1-163-141-00	CERAMIC CHIP 0.001 $\mu$ F	5% 50V				
C3216	1-164-005-11	CERAMIC CHIP 0.47 $\mu$ F	25V	C3266	1-163-141-00	CERAMIC CHIP 0.001 $\mu$ F	5% 50V				
C3217	1-164-346-11	CERAMIC CHIP 1 $\mu$ F	16V	C3267	1-163-141-00	CERAMIC CHIP 0.001 $\mu$ F	5% 50V				
C3218	1-164-346-11	CERAMIC CHIP 1 $\mu$ F	16V	C3268	1-163-141-00	CERAMIC CHIP 0.001 $\mu$ F	5% 50V				
C3219	1-126-935-11	ELECT 470 $\mu$ F	20%	C3269	1-163-141-00	CERAMIC CHIP 0.001 $\mu$ F	5% 50V				
C3220	1-164-346-11	CERAMIC CHIP 1 $\mu$ F	16V	C3270	1-165-319-11	CERAMIC CHIP 0.1 $\mu$ F	50V				
C3221	1-164-346-11	CERAMIC CHIP 1 $\mu$ F	16V	C3271	1-165-319-11	CERAMIC CHIP 0.1 $\mu$ F	50V				
C3222	1-164-336-11	CERAMIC CHIP 0.33 $\mu$ F	25V	C3272	1-165-319-11	CERAMIC CHIP 0.1 $\mu$ F	50V				
C3223	1-164-336-11	CERAMIC CHIP 0.33 $\mu$ F	25V	C3273	1-163-109-00	CERAMIC CHIP 47PF	5% 50V				
C3224	1-164-222-11	CERAMIC CHIP 0.22 $\mu$ F	25V	C3274	1-163-101-00	CERAMIC CHIP 22PF	5% 50V				
C3225	1-164-222-11	CERAMIC CHIP 0.22 $\mu$ F	25V	C3275	1-163-101-00	CERAMIC CHIP 22PF	5% 50V				
C3226	1-164-005-11	CERAMIC CHIP 0.47 $\mu$ F	25V	C3276	1-163-111-00	CERAMIC CHIP 56PF	5% 50V				
C3227	1-164-346-11	CERAMIC CHIP 1 $\mu$ F	16V	C3277	1-163-101-00	CERAMIC CHIP 22PF	5% 50V				
C3228	1-163-117-00	CERAMIC CHIP 100PF	5% 50V	C3278	1-163-101-00	CERAMIC CHIP 22PF	5% 50V				
C3229	1-163-093-00	CERAMIC CHIP 10PF	5% 50V	C3279	1-163-141-00	CERAMIC CHIP 0.001 $\mu$ F	5% 50V				
C3230	1-163-141-00	CERAMIC CHIP 0.001 $\mu$ F	5% 50V	C3280	1-126-964-11	ELECT 10 $\mu$ F	20% 50V				
C3231	1-163-125-00	CERAMIC CHIP 220PF	5% 50V	C3282	1-164-346-11	CERAMIC CHIP 1 $\mu$ F	16V				
C3232	1-163-117-00	CERAMIC CHIP 100PF	5% 50V	<b>&lt;CONNECTOR&gt;</b>							
C3233	1-164-232-11	CERAMIC CHIP 0.01 $\mu$ F	10% 50V	CN150	1-573-297-21	CONNECTOR, BOARD TO BOARD 18P					
C3234	1-164-232-11	CERAMIC CHIP 0.01 $\mu$ F	10% 50V	<b>&lt;DIODE&gt;</b>							
C3235	1-164-232-11	CERAMIC CHIP 0.01 $\mu$ F	10% 50V	D3202	8-719-031-68	DIODE HVU359TRF					
C3236	1-164-232-11	CERAMIC CHIP 0.01 $\mu$ F	10% 50V	D3203	8-719-404-46	DIODE MA110					
C3237	1-164-232-11	CERAMIC CHIP 0.01 $\mu$ F	10% 50V	D3208	8-719-110-17	DIODE RD10ESB2					
C3238	1-163-101-00	CERAMIC CHIP 22PF	5% 50V	D3209	8-719-110-17	DIODE RD10ESB2					
C3239	1-163-141-00	CERAMIC CHIP 0.001 $\mu$ F	5% 50V	<b>&lt;IC&gt;</b>							
C3240	1-163-101-00	CERAMIC CHIP 22PF	5% 50V	IC3200	8-759-288-13	IC MSM51C262-ZS					
C3241	1-163-103-00	CERAMIC CHIP 27PF	5% 50V	IC3201	8-759-093-29	IC MB86144BPF-G-BND					
C3242	1-164-232-11	CERAMIC CHIP 0.01 $\mu$ F	10% 50V	IC3202	8-759-093-28	IC MB40176PF-G-BND-EF					
C3243	1-163-117-00	CERAMIC CHIP 100PF	5% 50V	IC3203	8-759-093-28	IC MB40176PF-G-BND-EF					
C3244	1-163-113-00	CERAMIC CHIP 68PF	5% 50V	IC3204	8-759-093-25	IC MB3512PFQ					
C3245	1-164-232-11	CERAMIC CHIP 0.01 $\mu$ F	10% 50V	IC3205	8-759-243-19	IC TC7SU04F					
C3246	1-164-232-11	CERAMIC CHIP 0.01 $\mu$ F	10% 50V	<b>&lt;COIL&gt;</b>							
C3247	1-163-033-91	CERAMIC CHIP 0.022 $\mu$ F	50V								
C3248	1-163-125-00	CERAMIC CHIP 220PF	5% 50V								
C3249	1-163-117-00	CERAMIC CHIP 100PF	5% 50V								

P A

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK	
L3201	1-410-470-11	INDUCTOR 10 $\mu$ H		R3248	1-216-295-91	CONDUCTOR, CHIP		
L3202	1-408-424-00	INDUCTOR 180 $\mu$ H		R3249	1-216-057-00	METAL GLAZE 2.2K	5% 1/10W	
L3203	1-408-424-00	INDUCTOR 180 $\mu$ H		R3250	1-216-043-91	METAL GLAZE 560	5% 1/10W	
L3204	1-410-476-11	INDUCTOR 33 $\mu$ H		R3251	1-216-049-91	METAL GLAZE 1K	5% 1/10W	
L3205	1-410-470-11	INDUCTOR 10 $\mu$ H		R3252	1-216-043-91	METAL GLAZE 560	5% 1/10W	
L3206	1-410-387-11	INDUCTOR 33 $\mu$ H		R3253	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W	
L3207	1-410-387-11	INDUCTOR 33 $\mu$ H		R3254	1-216-043-91	METAL GLAZE 560	5% 1/10W	
L3208	1-410-387-11	INDUCTOR 33 $\mu$ H		R3255	1-216-041-00	METAL GLAZE 470	5% 1/10W	
L3209	1-410-387-11	INDUCTOR 33 $\mu$ H		R3256	1-216-043-91	METAL GLAZE 560	5% 1/10W	
<TRANSISTOR>				R3259	1-216-298-00	METAL GLAZE 2.2	5% 1/10W	
Q3201	8-729-216-22	TRANSISTOR 2SA1162-G		R3260	1-216-073-00	METAL GLAZE 10K	5% 1/10W	
Q3202	8-729-422-27	TRANSISTOR 2SD601A-Q		R3263	1-216-025-91	METAL GLAZE 100	5% 1/10W	
Q3203	8-729-216-22	TRANSISTOR 2SA1162-G		R3264	1-216-025-91	METAL GLAZE 100	5% 1/10W	
Q3204	8-729-216-22	TRANSISTOR 2SA1162-G		R3265	1-216-049-91	METAL GLAZE 1K	5% 1/10W	
Q3206	8-729-422-27	TRANSISTOR 2SD601A-Q		R3266	1-216-057-00	METAL GLAZE 2.2K	5% 1/10W	
Q3207	8-729-216-22	TRANSISTOR 2SA1162-G		R3267	1-216-055-00	METAL GLAZE 1.8K	5% 1/10W	
Q3208	8-729-422-27	TRANSISTOR 2SD601A-Q		R3268	1-216-053-00	METAL GLAZE 1.5K	5% 1/10W	
Q3209	8-729-216-22	TRANSISTOR 2SA1162-G		R3269	1-216-057-00	METAL GLAZE 2.2K	5% 1/10W	
Q3210	8-729-216-22	TRANSISTOR 2SA1162-G		R3270	1-216-657-11	METAL CHIP 1.8K	0.50% 1/10W	
<RESISTOR>				R3271	1-216-655-11	METAL CHIP 1.5K	0.50% 1/10W	
R3201	1-216-097-91	METAL GLAZE 100K	5%	1/10W	R3273	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R3202	1-216-073-00	METAL GLAZE 10K	5%	1/10W	R3274	1-216-049-91	METAL GLAZE 1K	5% 1/10W
R3203	1-216-025-91	METAL GLAZE 100	5%	1/10W	R3275	1-216-049-91	METAL GLAZE 1K	5% 1/10W
R3204	1-216-025-91	METAL GLAZE 100	5%	1/10W	R3276	1-216-049-91	METAL GLAZE 1K	5% 1/10W
R3205	1-216-121-91	METAL GLAZE 1M	5%	1/10W	R3277	1-216-298-00	METAL GLAZE 2.2	5% 1/10W
<CRYSTAL>				X3201	1-567-878-11	VIBRATOR, CRYSTAL		
X3202				X3202	1-567-878-11	VIBRATOR, CRYSTAL		
*****								
R3212	1-216-073-00	METAL GLAZE 10K	5%	1/10W	* A-1297-493-A A BOARD, COMPLETE (KP-46V25/53V25)			
R3213	1-216-075-00	METAL GLAZE 12K	5%	1/10W	*****			
R3214	1-216-121-91	METAL GLAZE 1M	5%	1/10W	* A-1297-606-A A BOARD, COMPLETE (KP-61V25)			
R3215	1-216-057-00	METAL GLAZE 2.2K	5%	1/10W	*****			
R3216	1-216-057-00	METAL GLAZE 2.2K	5%	1/10W	*****			
R3217	1-216-057-00	METAL GLAZE 2.2K	5%	1/10W	4-365-216-00 SPACER, MICA			
R3218	1-216-049-91	METAL GLAZE 1K	5%	1/10W	4-382-854-11 SCREW (M3X10), P, SW (+)			
R3219	1-216-049-91	METAL GLAZE 1K	5%	1/10W	*****			
R3220	1-216-049-91	METAL GLAZE 1K	5%	1/10W	<CAPACITOR>			
R3221	1-216-655-11	METAL CHIP 1.5K	0.50%	1/10W	C201	1-104-665-11	ELECT	100 $\mu$ F 20% 25V
R3222	1-216-655-11	METAL CHIP 1.5K	0.50%	1/10W	C202	1-102-125-00	CERAMIC	0.0047 $\mu$ F 10% 50V
R3223	1-216-025-91	METAL GLAZE 100	5%	1/10W	C203	1-130-489-00	FILM	0.033 $\mu$ F 5% 50V
R3224	1-216-049-91	METAL GLAZE 1K	5%	1/10W	C204	1-124-902-00	ELECT	0.47 $\mu$ F 20% 50V
R3225	1-216-025-91	METAL GLAZE 100	5%	1/10W	C205	1-104-665-11	ELECT	100 $\mu$ F 20% 25V
R3226	1-216-085-00	METAL GLAZE 33K	5%	1/10W	C206	1-124-902-00	ELECT	0.47 $\mu$ F 20% 50V
R3227	1-216-647-11	METAL CHIP 680	0.50%	1/10W	C207	1-124-903-11	ELECT	1 $\mu$ F 20% 50V
R3228	1-216-045-00	METAL GLAZE 680	5%	1/10W	C208	1-124-768-11	ELECT	4.7 $\mu$ F 20% 50V
R3229	1-216-073-00	METAL GLAZE 10K	5%	1/10W	C209	1-124-903-11	ELECT	1 $\mu$ F 20% 50V
R3230	1-216-073-00	METAL GLAZE 10K	5%	1/10W	C210	1-102-125-00	CERAMIC	0.0047 $\mu$ F 10% 50V
R3231	1-216-001-00	METAL GLAZE 10	5%	1/10W	C211	1-130-489-00	FILM	0.033 $\mu$ F 5% 50V
R3232	1-216-083-00	METAL GLAZE 27K	5%	1/10W	C212	1-124-768-11	ELECT	4.7 $\mu$ F 20% 50V
R3233	1-216-049-91	METAL GLAZE 1K	5%	1/10W	C220	1-126-964-11	ELECT	10 $\mu$ F 20% 50V
R3234	1-216-651-11	METAL CHIP 1K	0.50%	1/10W	C221	1-126-964-11	ELECT	10 $\mu$ F 20% 50V
R3235	1-216-043-91	METAL GLAZE 560	5%	1/10W	C222	1-126-964-11	ELECT	10 $\mu$ F 20% 50V
R3236	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W	C223	1-126-964-11	ELECT	10 $\mu$ F 20% 50V
R3237	1-216-043-91	METAL GLAZE 560	5%	1/10W	C224	1-104-664-11	ELECT	47 $\mu$ F 20% 25V
R3238	1-216-049-91	METAL GLAZE 1K	5%	1/10W	C226	1-104-665-11	ELECT	100 $\mu$ F 20% 25V
R3239	1-216-043-91	METAL GLAZE 560	5%	1/10W	C232	1-104-664-11	ELECT	47 $\mu$ F 20% 25V
R3241	1-216-057-00	METAL GLAZE 2.2K	5%	1/10W	C233	1-104-664-11	ELECT	47 $\mu$ F 20% 25V
R3242	1-216-049-91	METAL GLAZE 1K	5%	1/10W	C234	1-104-664-11	ELECT	47 $\mu$ F 20% 25V
R3243	1-216-025-91	METAL GLAZE 100	5%	1/10W	C235	1-104-664-11	ELECT	47 $\mu$ F 20% 25V
R3244	1-216-025-91	METAL GLAZE 100	5%	1/10W	C236	1-124-902-00	ELECT	0.47 $\mu$ F 20% 50V
R3245	1-216-025-91	METAL GLAZE 100	5%	1/10W	C237	1-124-927-11	ELECT	4.7 $\mu$ F 20% 50V
R3246	1-216-069-00	METAL GLAZE 6.8K	5%	1/10W	C238	1-104-665-11	ELECT	100 $\mu$ F 20% 25V
R3247	1-216-063-91	METAL GLAZE 3.9K	5%	1/10W	C239	1-126-943-11	ELECT	2200 $\mu$ F 20% 25V

**A**

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
<b>&lt;CONNECTOR&gt;</b>							
C240	1-126-943-11	ELECT	2200 $\mu$ F 20%	25V	CN221	1-573-298-21	CONNECTOR, BOARD TO BOARD 20P
C241	1-137-399-11	FILM	0.1 $\mu$ F 5%	50V	CN222	1-573-298-21	CONNECTOR, BOARD TO BOARD 20P
C242	1-137-399-11	FILM	0.1 $\mu$ F 5%	50V	CN223	* 1-564-507-11	PLUG, CONNECTOR 4P
C243	1-137-399-11	FILM	0.1 $\mu$ F 5%	50V	CN224	* 1-564-507-11	PLUG, CONNECTOR 4P
C244	1-104-665-11	ELECT	100 $\mu$ F 20%	25V	CN225	* 1-564-513-11	PLUG, CONNECTOR 10P
C245	1-137-399-11	FILM	0.1 $\mu$ F 5%	50V	CN511	* 1-580-689-11	PIN, CONNECTOR (PC BOARD) 4P
C262	1-104-664-11	ELECT	47 $\mu$ F 20%	25V	CN527	* 1-573-963-11	PIN, CONNECTOR (PC BOARD) 3P
C263	1-104-665-11	ELECT	100 $\mu$ F 20%	25V	CN528	1-695-915-11	TAB (CONTACT)
C264	1-104-665-11	ELECT	100 $\mu$ F 20%	25V	CN541	* 1-580-689-11	PIN, CONNECTOR (PC BOARD) 4P
C265	1-104-665-11	ELECT	100 $\mu$ F 20%	25V	CN571	* 1-580-689-11	PIN, CONNECTOR (PC BOARD) 4P
C266	1-104-665-11	ELECT	100 $\mu$ F 20%	25V	CN1026	* 1-564-506-11	PLUG, CONNECTOR 3P
C267	1-104-664-11	ELECT	47 $\mu$ F 20%	25V			
C270	1-102-978-00	CERAMIC	220PF 5%	50V			
C271	1-102-123-00	CERAMIC	0.0033 $\mu$ F 10%	50V			
C272	1-102-074-00	CERAMIC	0.001 $\mu$ F 10%	50V			
<b>&lt;DIODE&gt;</b>							
C273	1-126-111-11	ELECT	3.3 $\mu$ F 20%	50V	D201	8-719-110-17	DIODE RD10ESB2
C274	1-126-964-11	ELECT	10 $\mu$ F 20%	50V	D202	8-719-110-17	DIODE RD10ESB2
C275	1-124-902-00	ELECT	0.47 $\mu$ F 20%	50V	D220	8-719-911-19	DIODE 1SS119-25
C276	1-102-125-00	CERAMIC	0.0047 $\mu$ F 10%	50V	D221	8-719-911-19	DIODE 1SS119-25
C277	1-124-927-11	ELECT	4.7 $\mu$ F 20%	50V	D230	8-719-911-19	DIODE 1SS119-25
C278	1-124-925-11	ELECT	2.2 $\mu$ F 20%	50V	D231	8-719-911-19	DIODE 1SS119-25
C279	1-124-927-11	ELECT	4.7 $\mu$ F 20%	50V	D232	8-719-911-19	DIODE 1SS119-25
C280	1-124-927-11	ELECT	4.7 $\mu$ F 20%	50V	D233	8-719-911-19	DIODE 1SS119-25
C281	1-102-123-00	CERAMIC	0.0033 $\mu$ F 10%	50V	D234	8-719-911-19	DIODE 1SS119-25
C282	1-102-125-00	CERAMIC	0.0047 $\mu$ F 10%	50V	D235	8-719-911-19	DIODE 1SS119-25
C283	1-124-927-11	ELECT	4.7 $\mu$ F 20%	50V	D262	8-719-911-19	DIODE 1SS119-25
C284	1-124-925-11	ELECT	2.2 $\mu$ F 20%	50V	D263	8-719-911-19	DIODE 1SS119-25
C285	1-124-927-11	ELECT	4.7 $\mu$ F 20%	50V	D264	8-719-911-19	DIODE 1SS119-25
C286	1-124-927-11	ELECT	4.7 $\mu$ F 20%	50V	D301	8-719-110-56	DIODE RD22ESB1
C287	1-102-074-00	CERAMIC	0.001 $\mu$ F 10%	50V	D302	8-719-110-56	DIODE RD22ESB1
C288	1-104-665-11	ELECT	100 $\mu$ F 20%	25V	D303	8-719-110-56	DIODE RD22ESB1
C289	1-124-903-11	ELECT	1 $\mu$ F 20%	50V	D304	8-719-110-56	DIODE RD22ESB1
C290	1-102-978-00	CERAMIC	220PF 5%	50V	D501	8-719-911-19	DIODE 1SS119-25
C291	1-124-902-00	ELECT	0.47 $\mu$ F 20%	50V	D502	8-719-109-72	DIODE RD3.9ESB2
C292	1-104-664-11	ELECT	47 $\mu$ F 20%	25V	D504	8-719-911-19	DIODE 1SS119-25
C501	1-124-902-00	ELECT	0.47 $\mu$ F 20%	50V	D505	8-719-911-19	DIODE 1SS119-25
C502	1-104-664-11	ELECT	47 $\mu$ F 20%	25V	D506	8-719-300-80	DIODE RU-1C
C503	1-137-370-11	FILM	0.01 $\mu$ F 5%	50V	D507	8-719-018-82	DIODE RGP02-20EL-6394
C504	1-164-070-11	CERAMIC	100PF 5%	50V	D509	8-719-900-95	DIODE V09G (KP-46V25,KP-53V25)
C505	1-137-372-11	FILM	0.022 $\mu$ F 5%	50V	D510	8-719-900-95	DIODE V09G (KP-46V25,KP-53V25)
C506	1-123-024-21	ELECT	33 $\mu$ F 10%	160V	D511	8-719-911-19	DIODE 1SS119-25
C507	1-107-368-11	FILM	0.047 $\mu$ F 10%	200V	D1001	8-719-110-76	DIODE RD33ESB1
C508	1-107-638-11	ELECT	33 $\mu$ F 20%	160V	D1002	8-719-110-76	DIODE RD33ESB1
C509	1-107-368-11	FILM	0.047 $\mu$ F 10%	200V			
C510	1-102-030-00	CERAMIC	330PF 10%	500V			
<b>&lt;IC&gt;</b>							
C511	1-137-414-11	FILM	0.0047 $\mu$ F 10%	100V	IC201	8-759-135-80	IC $\mu$ PC358C
C512	1-162-115-00	CERAMIC	330PF 10%	2KV	IC202	8-759-090-21	IC TDA8424
C513	1-136-598-11	FILM	3 $\mu$ F 5%	200V	IC230	8-759-190-89	IC TDA7265
C514	1-136-613-11	FILM	0.0068 $\mu$ F 3%	2KV	IC262	8-759-054-12	IC PQ09RA1
C515	1-162-114-00	CERAMIC	0.0047 $\mu$ F 2KV		IC263	8-759-504-46	IC PQ05RF1
C516	1-107-719-11	ELECT	220 $\mu$ F 20%	50V	IC264	8-759-701-79	IC NJM7812FA
C517	1-126-971-11	ELECT	470 $\mu$ F 20%	50V	IC270	8-759-253-06	IC XR1071CP
C518	1-126-971-11	ELECT	470 $\mu$ F 20%	50V	IC271	8-752-057-18	IC CXA1315P
C519	1-124-903-11	ELECT	1 $\mu$ F 20%	50V	IC1001	8-759-300-71	IC HD14053BFP
C1001	1-124-927-11	ELECT	4.7 $\mu$ F 20%	50V			
C1002	1-126-964-11	ELECT	10 $\mu$ F 20%	50V			
C1003	1-128-551-11	ELECT	22 $\mu$ F 20%	50V			
C1004	1-126-935-11	ELECT	470 $\mu$ F 20%	16V			
C1005	1-104-665-11	ELECT	100 $\mu$ F 20%	25V	L501	1-411-189-11	COIL, CHOKE 15mH
C1006	1-101-004-00	CERAMIC	0.01 $\mu$ F 50V		L503	1-406-832-11	COIL, HORIZONTAL LINEARITY(HLC)
C1007	1-126-935-11	ELECT	470 $\mu$ F 20%	16V	L1001	1-408-408-00	INDUCTOR 8.2 $\mu$ H
C1008	1-101-004-00	CERAMIC	0.01 $\mu$ F 50V		L1002	1-408-408-00	INDUCTOR 8.2 $\mu$ H
C1009	1-126-964-11	ELECT	10 $\mu$ F 20%	50V	L1003	1-408-408-00	INDUCTOR 8.2 $\mu$ H
C1010	1-126-964-11	ELECT	10 $\mu$ F 20%	50V	L1004	1-408-408-00	INDUCTOR 8.2 $\mu$ H
C1011	1-102-121-00	CERAMIC	0.0022 $\mu$ F 10%	50V			
<b>&lt;TRANSISTOR&gt;</b>							
C1012	1-102-121-00	CERAMIC	0.0022 $\mu$ F 10%	50V	Q220	8-729-927-14	TRANSISTOR DTC323TS

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
Q221	8-729-119-76	TRANSISTOR 2SA1175-HFE		R251	1-249-437-11	CARBON	47K 5% 1/4W
Q222	8-729-927-14	TRANSISTOR DTC323TS		R252	1-249-417-11	CARBON	1K 5% 1/4W
Q223	8-729-119-76	TRANSISTOR 2SA1175-HFE		R253	1-249-417-11	CARBON	1K 5% 1/4W
Q230	8-729-119-78	TRANSISTOR 2SC2785-HFE		R254	1-249-417-11	CARBON	1K 5% 1/4W
Q231	8-729-119-78	TRANSISTOR 2SC2785-HFE		R255	1-249-429-11	CARBON	10K 5% 1/4W
Q232	8-729-119-78	TRANSISTOR 2SC2785-HFE		R256	1-249-436-11	CARBON	39K 5% 1/4W
Q233	8-729-119-78	TRANSISTOR 2SC2785-HFE		R257	1-249-429-11	CARBON	10K 5% 1/4W
Q234	8-729-119-78	TRANSISTOR 2SC2785-HFE		R258	1-249-429-11	CARBON	10K 5% 1/4W
Q235	8-729-119-76	TRANSISTOR 2SA1175-HFE		R259	1-216-357-00	METAL OXIDE	4.7 5% 1W F
Q236	8-729-119-78	TRANSISTOR 2SC2785-HFE		R260	1-216-357-00	METAL OXIDE	4.7 5% 1W F
Q237	8-729-119-78	TRANSISTOR 2SC2785-HFE		R270	1-215-440-00	METAL	6.2K 1% 1/4W
Q238	8-729-119-78	TRANSISTOR 2SC2785-HFE		R271	1-249-429-11	CARBON	10K 5% 1/4W
Q270	8-729-119-76	TRANSISTOR 2SA1175-HFE		R272	1-247-883-00	CARBON	150K 5% 1/4W
Q271	8-729-119-78	TRANSISTOR 2SC2785-HFE		R274	1-249-441-11	CARBON	100K 5% 1/4W
Q501	8-729-119-76	TRANSISTOR 2SA1175-HFE		R276	1-249-425-11	CARBON	4.7K 5% 1/4W
Q502	8-729-119-76	TRANSISTOR 2SA1175-HFE		R279	1-249-441-11	CARBON	100K 5% 1/4W
Q503	8-729-119-78	TRANSISTOR 2SC2785-HFE		R280	1-249-417-11	CARBON	1K 5% 1/4W
Q504	8-729-119-78	TRANSISTOR 2SC2785-HFE		R281	1-249-429-11	CARBON	10K 5% 1/4W
Q505	8-729-119-80	TRANSISTOR 2SC2688-LK		R282	1-215-440-00	METAL	6.2K 1% 1/4W
Q506	8-729-201-32	TRANSISTOR 2SA1013-O		R283	1-249-429-11	CARBON	10K 5% 1/4W
Q507	8-729-304-92	TRANSISTOR 2SB649A-C		R501	1-249-421-11	CARBON	2.2K 5% 1/4W
Q508	8-729-201-32	TRANSISTOR 2SA1013-O		R502	1-249-429-11	CARBON	10K 5% 1/4W
Q509	8-729-010-98	TRANSISTOR 2SA1492M-OPY		R503	1-249-441-11	CARBON	100K 5% 1/4W
Q510	8-729-021-48	TRANSISTOR 2SD2348LBSONY		R504	1-249-429-11	CARBON	10K 5% 1/4W
Q511	8-729-119-76	TRANSISTOR 2SA1175-HFE		R505	1-215-437-00	METAL	4.7K 1% 1/4W
Q1001	8-729-119-76	TRANSISTOR 2SA1175-HFE		R506	1-215-433-00	METAL	3.3K 1% 1/4W
Q1002	8-729-119-76	TRANSISTOR 2SA1175-HFE		R507	1-249-407-11	CARBON	150 5% 1/4W
Q1003	8-729-119-76	TRANSISTOR 2SA1175-HFE		R508	1-249-421-11	CARBON	2.2K 5% 1/4W
Q1004	8-729-119-78	TRANSISTOR 2SC2785-HFE		R509	1-249-423-11	CARBON	3.3K 5% 1/4W
<RESISTOR>							
R207	1-249-431-11	CARBON	15K 5% 1/4W	R510	1-249-417-11	CARBON	1K 5% 1/4W
R208	1-249-429-11	CARBON	10K 5% 1/4W	R511	1-247-895-91	CARBON	470K 5% 1/4W
R209	1-249-431-11	CARBON	15K 5% 1/4W	R512	1-215-925-11	METAL OXIDE	22K 5% 3W F
R210	1-247-815-91	CARBON	220 5% 1/4W	R513	1-215-900-11	METAL OXIDE	22K 5% 2W F
R211	1-249-429-11	CARBON	10K 5% 1/4W	R514	1-249-421-11	CARBON	2.2K 5% 1/4W F
R212	1-249-441-11	CARBON	100K 5% 1/4W	R515	1-215-925-11	METAL OXIDE	22K 5% 3W F
R213	1-249-441-11	CARBON	100K 5% 1/4W	R516	1-249-430-11	CARBON	12K 5% 1/4W F
R214	1-247-815-91	CARBON	220 5% 1/4W	R517	1-249-429-11	CARBON	10K 5% 1/4W F
R215	1-249-441-11	CARBON	100K 5% 1/4W	R518	1-249-427-11	CARBON	6.8K 5% 1/4W F
R216	1-249-441-11	CARBON	100K 5% 1/4W	R519	1-249-417-11	CARBON	1K 5% 1/4W F
R217	1-247-807-31	CARBON	100 5% 1/4W	R520	1-249-423-11	CARBON	3.3K 5% 1/4W F
R218	1-247-807-31	CARBON	100 5% 1/4W	R521	1-249-437-11	CARBON	47K 5% 1/4W F
R219	1-249-417-11	CARBON	1K 5% 1/4W	R522	1-249-417-11	CARBON	1K 5% 1/4W F
R220	1-249-429-11	CARBON	10K 5% 1/4W	R523	1-249-426-11	CARBON	5.6K 5% 1/4W F
R221	1-249-437-11	CARBON	47K 5% 1/4W	R524	1-215-925-11	METAL OXIDE	22K 5% 3W F
R222	1-249-417-11	CARBON	1K 5% 1/4W	R525	1-216-373-11	METAL OXIDE	2.2 5% 2W F
R223	1-249-429-11	CARBON	10K 5% 1/4W	R526	1-216-478-11	METAL OXIDE	390 5% 3W F
R224	1-249-429-11	CARBON	10K 5% 1/4W	R528	1-216-477-11	METAL OXIDE	270 5% 3W F
R230	1-249-430-11	CARBON	12K 5% 1/4W	R529	1-216-477-11	METAL OXIDE	270 (KP-46V25, KP-53V25) 5% 3W F
R231	1-249-429-11	CARBON	10K 5% 1/4W	R530	1-216-477-11	METAL OXIDE	270 (KP-46V25, KP-53V25) 5% 3W F
R233	1-249-429-11	CARBON	10K 5% 1/4W	R531	1-216-477-11	METAL OXIDE	270 (KP-46V25, KP-53V25) 5% 3W F
R234	1-249-441-11	CARBON	100K 5% 1/4W	R532	1-215-442-00	METAL	7.5K 1% 1/4W
R235	1-249-414-11	CARBON	560 5% 1/4W	R533	1-215-443-00	METAL	8.2K 1% 1/4W
R236	1-249-432-11	CARBON	18K 5% 1/4W	R534	1-215-437-00	METAL	4.7K 1% 1/4W
R237	1-249-414-11	CARBON	560 5% 1/4W	R238	1-249-431-11	CARBON	15K 5% 1/4W
R239	1-249-430-11	CARBON	12K 5% 1/4W	R1001	1-215-900-11	METAL OXIDE	22K 5% 2W F
R241	1-249-439-11	CARBON	68K 5% 1/4W	R1002	1-215-900-11	METAL OXIDE	22K 5% 2W F
R242	1-249-432-11	CARBON	18K 5% 1/4W	R1003	1-249-411-11	CARBON	330 5% 1/4W
R243	1-247-863-91	CARBON	22K 5% 1/4W	R1004	1-249-434-11	CARBON	27K 5% 1/4W
R244	1-247-863-91	CARBON	22K 5% 1/4W	R1005	1-249-436-11	CARBON	39K 5% 1/4W
R245	1-249-437-11	CARBON	47K 5% 1/4W	R1006	1-249-434-11	CARBON	27K 5% 1/4W
R246	1-247-863-91	CARBON	22K 5% 1/4W	R1007	1-249-425-11	CARBON	4.7K 5% 1/4W
R247	1-249-430-11	CARBON	12K 5% 1/4W	R1009	1-247-807-31	CARBON	100 5% 1/4W
R248	1-249-437-11	CARBON	47K 5% 1/4W	R1010	1-249-411-11	CARBON	330 5% 1/4W
R249	1-247-807-31	CARBON	100 5% 1/4W	R1011	1-249-425-11	CARBON	4.7K 5% 1/4W
R250	1-249-417-11	CARBON	1K 5% 1/4W	R1012	1-249-425-11	CARBON	4.7K 5% 1/4W
				R1013	1-247-807-31	CARBON	100 5% 1/4W

**A**

**M**

Les composants identifiés par une trame et une marque **Δ** sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark **Δ** are critical for safety. Replace only with part number specified.

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R1014	1-249-436-11	CARBON	39K	5%	1/4W		
R1016	1-247-807-31	CARBON	100	5%	1/4W		
R1017	1-249-417-11	CARBON	1K	5%	1/4W		
R1018	1-215-432-00	METAL	3K	1%	1/4W		
R1019	1-249-441-11	CARBON	100K	5%	1/4W		
<b>&lt;RELAY&gt;</b>							
RY230	1-755-028-11	RELAY					
RY231	1-755-028-11	RELAY					
<b>&lt;TRANSFORMER&gt;</b>							
T501	Δ 1-437-078-11	TRANSFORMER, HORIZONTAL DRIVE					
<b>&lt;TUNER&gt;</b>							
TU1001	Δ 8-598-047-11	TUNER, ET (BTF-LA401)					
TU1002	Δ 8-598-254-00	TUNER (BTF-WA402)					
<b>*****</b>							
<b>* A-1306-497-A M BOARD, COMPLETE</b>							
<b>&lt;CAPACITOR&gt;</b>							
C001	1-126-935-11	ELECT	470μF	20%	16V		
C002	1-126-916-11	ELECT	1000μF	20%	6.3V		
C004	1-163-001-11	CERAMIC CHIP	220PF	10%	50V		
C005	1-163-001-11	CERAMIC CHIP	220PF	10%	50V		
C006	1-163-001-11	CERAMIC CHIP	220PF	10%	50V		
C007	1-163-001-11	CERAMIC CHIP	220PF	10%	50V		
C009	1-163-001-11	CERAMIC CHIP	220PF	10%	50V		
C010	1-163-001-11	CERAMIC CHIP	220PF	10%	50V		
C011	1-163-001-11	CERAMIC CHIP	220PF	10%	50V		
C012	1-163-001-11	CERAMIC CHIP	220PF	10%	50V		
C013	1-163-001-11	CERAMIC CHIP	220PF	10%	50V		
C014	1-163-001-11	CERAMIC CHIP	220PF	10%	50V		
C015	1-163-001-11	CERAMIC CHIP	220PF	10%	50V		
C016	1-163-001-11	CERAMIC CHIP	220PF	10%	50V		
C017	1-163-001-11	CERAMIC CHIP	220PF	10%	50V		
C018	1-163-001-11	CERAMIC CHIP	220PF	10%	50V		
C019	1-163-001-11	CERAMIC CHIP	220PF	10%	50V		
C020	1-163-001-11	CERAMIC CHIP	220PF	10%	50V		
C021	1-163-001-11	CERAMIC CHIP	220PF	10%	50V		
C022	1-163-001-11	CERAMIC CHIP	220PF	10%	50V		
C023	1-163-001-11	CERAMIC CHIP	220PF	10%	50V		
C024	1-163-001-11	CERAMIC CHIP	220PF	10%	50V		
C025	1-163-001-11	CERAMIC CHIP	220PF	10%	50V		
C026	1-163-001-11	CERAMIC CHIP	220PF	10%	50V		
C028	1-163-001-11	CERAMIC CHIP	220PF	10%	50V		
C029	1-163-001-11	CERAMIC CHIP	220PF	10%	50V		
C030	1-163-001-11	CERAMIC CHIP	220PF	10%	50V		
C031	1-163-001-11	CERAMIC CHIP	220PF	10%	50V		
C032	1-163-001-11	CERAMIC CHIP	220PF	10%	50V		
C033	1-163-809-11	CERAMIC CHIP	0.047μF	10%	25V		
C034	1-163-001-11	CERAMIC CHIP	220PF	10%	50V		
C035	1-124-903-11	ELECT	1μF	20%	50V		
C037	1-163-009-11	CERAMIC CHIP	0.001μF	10%	50V		
C038	1-126-940-11	ELECT	330μF	20%	16V		
C040	1-124-903-11	ELECT	1μF	20%	50V		
C041	1-163-001-11	CERAMIC CHIP	220PF	10%	50V		
C042	1-163-001-11	CERAMIC CHIP	220PF	10%	50V		
C046	1-163-125-00	CERAMIC CHIP	220PF	5%	50V		
C047	1-124-903-11	ELECT	1μF	20%	50V		
C048	1-163-245-11	CERAMIC CHIP	56PF	5%	50V		
C049	1-163-001-11	CERAMIC CHIP	220PF	10%	50V		
C050	1-163-031-11	CERAMIC CHIP	0.01μF				
C051	1-163-017-00	CERAMIC CHIP	0.0047μF	10%	50V		
C054	1-163-001-11	CERAMIC CHIP	220PF	10%	50V		
C055	1-163-037-11	CERAMIC CHIP	0.022μF	10%	25V		
C056	1-163-001-11	CERAMIC CHIP	220PF	10%	50V		
C057	1-163-159-00	CERAMIC CHIP	12PF	2%	50V		
C058	1-104-896-11	CERAMIC CHIP	24PF	2%	50V		
C060	1-124-903-11	ELECT	1μF	20%	50V		
C062	1-163-038-91	CERAMIC CHIP	0.1μF				
C063	1-126-964-11	ELECT	10μF	20%	50V		
C064	1-126-964-11	ELECT	10μF	20%	50V		
C065	1-163-038-91	CERAMIC CHIP	0.1μF				
C066	1-163-135-00	CERAMIC CHIP	560PF	5%	50V		
C067	1-137-399-11	FILM	0.1μF	5%	50V		
C068	1-137-367-11	FILM	0.0033μF	5%	50V		
C069	1-137-375-11	FILM	0.068μF	5%	50V		
C070	1-104-664-11	ELECT	47μF	20%	25V		
C071	1-124-464-11	ELECT	0.22μF	20%	50V		
C074	1-126-940-11	ELECT	330μF	20%	16V		
C075	1-163-031-11	CERAMIC CHIP	0.01μF				
C302	1-124-902-00	ELECT	0.47μF	20%	50V		
C303	1-124-902-00	ELECT	0.47μF	20%	50V		
C304	1-124-927-11	ELECT	4.7μF	20%	50V		
C309	1-163-019-00	CERAMIC CHIP	0.0068μF	10%	50V		
C310	1-163-017-00	CERAMIC CHIP	0.0047μF	10%	50V		
C311	1-124-925-11	ELECT	2.2μF	20%	50V		
C312	1-163-017-00	CERAMIC CHIP	0.0047μF	10%	50V		
C313	1-104-664-11	ELECT	47μF	20%	25V		
C314	1-163-031-11	CERAMIC CHIP	0.01μF				
C315	1-126-934-11	ELECT	220μF	20%	16V		
C316	1-131-374-00	TANTALUM	33μF	10%	16V		
C317	1-163-031-11	CERAMIC CHIP	0.01μF				
C318	1-124-925-11	ELECT	2.2μF	20%	50V		
C319	1-124-903-11	ELECT	1μF	20%	50V		
C320	1-124-903-11	ELECT	1μF	20%	50V		
C321	1-163-017-00	CERAMIC CHIP	0.0047μF	10%	50V		
C323	1-163-031-11	CERAMIC CHIP	0.01μF				
C324	1-128-551-11	ELECT	22μF	20%	50V		
C327	1-163-139-00	CERAMIC CHIP	820PF	5%	50V		
C328	1-163-117-00	CERAMIC CHIP	100PF	5%	50V		
C329	1-163-001-11	CERAMIC CHIP	220PF	10%	50V		
C338	1-124-927-11	ELECT	4.7μF	20%	50V		
C339	1-124-464-11	ELECT	0.22μF	20%	50V		
C340	1-163-133-00	CERAMIC CHIP	470PF	5%	50V		
C341	1-124-902-00	ELECT	0.47μF	20%	50V		
C342	1-124-902-00	ELECT	0.47μF	20%	50V		
C343	1-124-902-00	ELECT	0.47μF	20%	50V		
C344	1-163-031-11	CERAMIC CHIP	0.01μF				
C345	1-163-031-11	CERAMIC CHIP	0.01μF				
C346	1-163-031-11	CERAMIC CHIP	0.01μF				
C347	1-124-902-00	ELECT	0.47μF	20%	50V		
C348	1-163-097-00	CERAMIC CHIP	15PF	5%	50V		
C349	1-163-109-00	CERAMIC CHIP	47PF	5%	50V		
C350	1-126-964-11	ELECT	10μF	20%	50V		
C352	1-163-031-11	CERAMIC CHIP	0.01μF				
C353	1-104-665-11	ELECT	100μF	20%	25V		
C354	1-163-101-00	CERAMIC CHIP	22PF	5%	50V		
C355	1-128-551-11	ELECT	22μF	20%	50V		
C357	1-104-664-11	ELECT	47μF	20%	25V		
C358	1-163-097-00	CERAMIC CHIP	15PF	5%	50V		
C359	1-163-125-00	CERAMIC CHIP	220PF	5%	50V		
C360	1-126-964-11	ELECT	10μF	20%	50V		
C361	1-126-964-11	ELECT	10μF	20%	50V		
C362	1-163-101-00	CERAMIC CHIP	22PF	5%	50V		
C363	1-163-009-11	CERAMIC CHIP	0.001μF	10%	50V		
C364	1-126-964-11	ELECT	10μF	20%	50V		
C365	1-163-101-00	CERAMIC CHIP	22PF	5%	50V		



REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK	
C366	1-163-117-00	CERAMIC CHIP 100PF	5%	50V	D328	8-719-911-19	DIODE 1SS119-25	
C368	1-163-093-00	CERAMIC CHIP 10PF	5%	50V				
C369	1-163-809-11	CERAMIC CHIP 0.047μF	10%	25V				
C370	1-104-665-11	ELECT 100μF	20%	25V				
C371	1-104-665-11	ELECT 100μF	20%	25V				
<CHIP CONDUCTOR>								
CJ001	1-216-295-91	CONDUCTOR, CHIP			IC001	8-759-112-06	IC μPC78N05H	
CJ002	1-216-295-91	CONDUCTOR, CHIP			IC002	8-752-867-91	IC CXP85332A-046S	
CJ003	1-216-295-91	CONDUCTOR, CHIP			IC003	8-759-284-16	IC ST24C04CB1	
<CONNECTOR>								
CN046	* 1-564-512-11	PLUG, CONNECTOR 9P			IC004	8-759-328-12	IC Z8622812PSC	
CN052	* 1-564-507-11	PLUG, CONNECTOR 4P			IC005	8-759-280-75	IC ST24C01CB1	
CN053	* 1-564-507-11	PLUG, CONNECTOR 4P			IC006	8-759-403-44	IC MN1280-S	
CN054	* 1-573-979-21	CONNECTOR, BOARD TO BOARD 11P			IC301	8-752-063-50	IC CXA1477AS	
CN304	* 1-564-512-11	PLUG, CONNECTOR 9P			IC302	8-759-701-75	IC NJM7805FA	
<COIL>								
CN321	1-573-301-21	CONNECTOR, BOARD TO BOARD 20P			L003	1-410-470-11	INDUCTOR 10μH	
CN322	1-573-301-21	CONNECTOR, BOARD TO BOARD 20P			L004	1-410-476-11	INDUCTOR 33μH	
CN351	* 1-564-509-11	PLUG, CONNECTOR 6P			L005	1-410-470-11	INDUCTOR 10μH	
CN355	* 1-565-930-11	CONNECTOR (RECEPTACLE) 30P			L006	1-410-470-11	INDUCTOR 10μH	
CN356	* 1-566-367-11	CONNECTOR, HINGE (RECEPTACLE)			L302	1-408-413-00	INDUCTOR 22μH	
CN357	* 1-564-516-11	PLUG, CONNECTOR 13P			L303	1-408-416-00	INDUCTOR 39μH	
CN358	* 1-564-508-11	PLUG, CONNECTOR 5P			L304	1-410-468-11	INDUCTOR 6.8μH	
<TRANSISTOR>								
D001	8-719-404-46	DIODE MA110			Q001	8-729-216-22	TRANSISTOR 2SA1162-G	
D002	8-719-404-46	DIODE MA110			Q002	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
D003	8-719-404-46	DIODE MA110			Q003	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
D004	8-719-109-88	DIODE RD5.6ESB1			Q004	8-729-216-22	TRANSISTOR 2SA1162-G	
D005	8-719-109-88	DIODE RD5.6ESB1			Q005	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
D006	8-719-109-88	DIODE RD5.6ESB1			Q006	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
D007	8-719-109-88	DIODE RD5.6ESB1			Q007	8-729-216-22	TRANSISTOR 2SA1162-G	
D008	8-719-002-81	DIODE 1T363			Q008	8-729-216-22	TRANSISTOR 2SA1162-G	
D009	8-719-404-46	DIODE MA110			Q009	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
D010	8-719-404-46	DIODE MA110			Q010	8-729-216-22	TRANSISTOR 2SA1162-G	
D011	8-719-404-46	DIODE MA110			Q011	8-729-216-22	TRANSISTOR 2SA1162-G	
D012	8-719-404-46	DIODE MA110			Q012	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
D013	8-719-404-46	DIODE MA110			Q013	8-729-216-22	TRANSISTOR 2SA1162-G	
D014	8-719-404-46	DIODE MA110			Q014	8-729-216-22	TRANSISTOR 2SA1162-G	
D015	8-719-404-46	DIODE MA110			Q015	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
D016	8-719-404-46	DIODE MA110			Q016	8-729-216-22	TRANSISTOR 2SA1162-G	
D017	8-719-404-46	DIODE MA110			Q017	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
D018	8-719-404-46	DIODE MA110			Q018	8-729-216-22	TRANSISTOR 2SA1162-G	
D019	8-719-404-46	DIODE MA110			Q019	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
D020	8-719-105-91	DIODE RD5.6M-B2			Q301	8-729-216-22	TRANSISTOR 2SA1162-G	
D305	8-719-121-24	DIODE RD9.1ESL			Q302	8-729-216-22	TRANSISTOR 2SA1162-G	
D307	8-719-121-24	DIODE RD9.1ESL			Q303	8-729-216-22	TRANSISTOR 2SA1162-G	
D308	8-719-110-22	DIODE RD11ESB2			Q304	8-729-216-22	TRANSISTOR 2SA1162-G	
D309	8-719-109-84	DIODE RD5.1ESB1			Q305	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
D310	8-719-914-44	DIODE DAP202K			Q307	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
D311	8-719-914-43	DIODE DAN202K			Q308	8-729-216-22	TRANSISTOR 2SA1162-G	
D312	8-719-404-46	DIODE MA110			Q309	8-729-216-22	TRANSISTOR 2SA1162-G	
D313	8-719-404-46	DIODE MA110			Q310	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
D314	8-719-404-46	DIODE MA110			Q311	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
D315	8-719-109-88	DIODE RD5.6ESB1			Q312	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
D316	8-719-404-46	DIODE MA110			Q313	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
D317	8-719-110-22	DIODE RD11ESB2			Q314	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
D320	8-719-404-46	DIODE MA110			Q315	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
D321	8-719-404-46	DIODE MA110			Q316	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
D322	8-719-404-46	DIODE MA110			Q317	8-729-216-22	TRANSISTOR 2SA1162-G	
D323	8-719-404-46	DIODE MA110			Q318	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
D324	8-719-404-46	DIODE MA110			Q319	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
D325	8-719-404-46	DIODE MA110			Q320	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
D326	8-719-110-08	DIODE RD8.2ESB2			Q321	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
D327	8-719-404-46	DIODE MA110			Q322	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
<RESISTOR>								



REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK	
R001	1-216-049-91	METAL GLAZE 1K	5%	1/10W	R073	1-216-049-91	METAL GLAZE 1K	5% 1/10W
R002	1-216-049-91	METAL GLAZE 1K	5%	1/10W	R074	1-216-049-91	METAL GLAZE 1K	5% 1/10W
R003	1-216-033-00	METAL GLAZE 220	5%	1/10W	R075	1-216-069-00	METAL GLAZE 6.8K	5% 1/10W
R004	1-216-033-00	METAL GLAZE 220	5%	1/10W	R076	1-216-089-91	METAL GLAZE 47K	5% 1/10W
R005	1-216-033-00	METAL GLAZE 220	5%	1/10W	R077	1-216-097-91	METAL GLAZE 100K	5% 1/10W
R006	1-216-033-00	METAL GLAZE 220	5%	1/10W	R078	1-216-097-91	METAL GLAZE 100K	5% 1/10W
R007	1-216-033-00	METAL GLAZE 220	5%	1/10W	R079	1-216-081-00	METAL GLAZE 22K	5% 1/10W
R008	1-216-033-00	METAL GLAZE 220	5%	1/10W	R080	1-216-023-00	METAL GLAZE 82	5% 1/10W
R009	1-216-033-00	METAL GLAZE 220	5%	1/10W	R081	1-216-041-00	METAL GLAZE 470	5% 1/10W
R010	1-216-073-00	METAL GLAZE 10K	5%	1/10W	R082	1-216-093-00	METAL GLAZE 68K	5% 1/10W
R011	1-216-033-00	METAL GLAZE 220	5%	1/10W	R083	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R012	1-216-033-00	METAL GLAZE 220	5%	1/10W	R084	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R013	1-216-073-00	METAL GLAZE 10K	5%	1/10W	R085	1-216-089-91	METAL GLAZE 47K	5% 1/10W
R014	1-216-073-00	METAL GLAZE 10K	5%	1/10W	R086	1-216-097-91	METAL GLAZE 100K	5% 1/10W
R015	1-216-033-00	METAL GLAZE 220	5%	1/10W	R087	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R016	1-216-033-00	METAL GLAZE 220	5%	1/10W	R088	1-216-089-91	METAL GLAZE 47K	5% 1/10W
R017	1-216-073-00	METAL GLAZE 10K	5%	1/10W	R089	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R018	1-216-049-91	METAL GLAZE 1K	5%	1/10W	R090	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R019	1-216-033-00	METAL GLAZE 220	5%	1/10W	R091	1-216-081-00	METAL GLAZE 22K	5% 1/10W
R020	1-216-033-00	METAL GLAZE 220	5%	1/10W	R092	1-216-081-00	METAL GLAZE 22K	5% 1/10W
R021	1-216-033-00	METAL GLAZE 220	5%	1/10W	R093	1-216-295-91	CONDUCTOR, CHIP	
R022	1-216-097-91	METAL GLAZE 100K	5%	1/10W	R094	1-216-081-00	METAL GLAZE 22K	5% 1/10W
R023	1-216-121-91	METAL GLAZE 1M	5%	1/10W	R095	1-216-081-00	METAL GLAZE 22K	5% 1/10W
R024	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W	R096	1-216-081-00	METAL GLAZE 22K	5% 1/10W
R025	1-216-073-00	METAL GLAZE 10K	5%	1/10W	R097	1-216-081-00	METAL GLAZE 22K	5% 1/10W
R026	1-216-073-00	METAL GLAZE 10K	5%	1/10W	R098	1-216-081-00	METAL GLAZE 22K	5% 1/10W
R027	1-216-089-91	METAL GLAZE 47K	5%	1/10W	R099	1-216-081-00	METAL GLAZE 22K	5% 1/10W
R028	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W	R100	1-216-295-91	CONDUCTOR, CHIP	
R029	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W	R101	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R031	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W	R102	1-216-089-91	METAL GLAZE 47K	5% 1/10W
R032	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W	R103	1-216-045-00	METAL GLAZE 680	5% 1/10W
R033	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W	R104	1-216-033-00	METAL GLAZE 220	5% 1/10W
R034	1-216-073-00	METAL GLAZE 10K	5%	1/10W	R106	1-216-033-00	METAL GLAZE 220	5% 1/10W
R035	1-216-033-00	METAL GLAZE 220	5%	1/10W	R107	1-216-033-00	METAL GLAZE 220	5% 1/10W
R036	1-216-025-91	METAL GLAZE 100	5%	1/10W	R108	1-216-033-00	METAL GLAZE 220	5% 1/10W
R037	1-216-033-00	METAL GLAZE 220	5%	1/10W	R109	1-216-033-00	METAL GLAZE 220	5% 1/10W
R038	1-216-033-00	METAL GLAZE 220	5%	1/10W	R110	1-216-033-00	METAL GLAZE 220	5% 1/10W
R039	1-216-025-91	METAL GLAZE 100	5%	1/10W	R111	1-216-049-91	METAL GLAZE 1K	5% 1/10W
R040	1-216-033-00	METAL GLAZE 220	5%	1/10W	R112	1-216-089-91	METAL GLAZE 47K	5% 1/10W
R041	1-216-033-00	METAL GLAZE 220	5%	1/10W	R113	1-216-089-91	METAL GLAZE 47K	5% 1/10W
R042	1-216-033-00	METAL GLAZE 220	5%	1/10W	R114	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R043	1-216-073-00	METAL GLAZE 10K	5%	1/10W	R115	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R044	1-216-089-91	METAL GLAZE 47K	5%	1/10W	R116	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R045	1-216-033-00	METAL GLAZE 220	5%	1/10W	R117	1-216-047-91	METAL GLAZE 820	5% 1/10W
R046	1-216-033-00	METAL GLAZE 220	5%	1/10W	R118	1-216-047-91	METAL GLAZE 820	5% 1/10W
R047	1-216-033-00	METAL GLAZE 220	5%	1/10W	R119	1-216-047-91	METAL GLAZE 820	5% 1/10W
R048	1-216-073-00	METAL GLAZE 10K	5%	1/10W	R120	1-216-033-00	METAL GLAZE 220	5% 1/10W
R049	1-216-033-00	METAL GLAZE 220	5%	1/10W	R300	1-216-025-91	METAL GLAZE 100	5% 1/10W
R050	1-216-049-91	METAL GLAZE 1K	5%	1/10W	R301	1-216-059-00	METAL GLAZE 2.7K	5% 1/10W
R051	1-216-049-91	METAL GLAZE 1K	5%	1/10W	R302	1-216-049-91	METAL GLAZE 1K	5% 1/10W
R052	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W	R303	1-216-049-91	METAL GLAZE 1K	5% 1/10W
R054	1-216-073-00	METAL GLAZE 10K	5%	1/10W	R304	1-216-049-91	METAL GLAZE 1K	5% 1/10W
R055	1-216-049-91	METAL GLAZE 1K	5%	1/10W	R305	1-216-025-91	METAL GLAZE 100	5% 1/10W
R056	1-216-049-91	METAL GLAZE 1K	5%	1/10W	R306	1-216-025-91	METAL GLAZE 100	5% 1/10W
R057	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W	R307	1-216-057-00	METAL GLAZE 2.2K	5% 1/10W
R058	1-216-073-00	METAL GLAZE 10K	5%	1/10W	R308	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R059	1-216-295-91	CONDUCTOR, CHIP			R309	1-216-025-91	METAL GLAZE 100	5% 1/10W
R060	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W	R310	1-216-081-00	METAL GLAZE 22K	5% 1/10W
R061	1-216-033-00	METAL GLAZE 220	5%	1/10W	R311	1-216-025-91	METAL GLAZE 100	5% 1/10W
R062	1-216-085-00	METAL GLAZE 33K	5%	1/10W	R312	1-216-033-00	METAL GLAZE 220	5% 1/10W
R063	1-216-041-00	METAL GLAZE 470	5%	1/10W	R313	1-216-081-00	METAL GLAZE 22K	5% 1/10W
R064	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W	R314	1-216-033-00	METAL GLAZE 220	5% 1/10W
R065	1-216-097-91	METAL GLAZE 100K	5%	1/10W	R315	1-216-067-00	METAL GLAZE 5.6K	5% 1/10W
R066	1-216-049-91	METAL GLAZE 1K	5%	1/10W	R317	1-216-033-00	METAL GLAZE 220	5% 1/10W
R067	1-216-049-91	METAL GLAZE 1K	5%	1/10W	R318	1-216-071-00	METAL GLAZE 8.2K	5% 1/10W
R068	1-216-049-91	METAL GLAZE 1K	5%	1/10W	R319	1-216-190-00	METAL GLAZE 470	5% 1/8W
R069	1-216-073-00	METAL GLAZE 10K	5%	1/10W	R320	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R071	1-216-073-00	METAL GLAZE 10K	5%	1/10W	R321	1-216-190-00	METAL GLAZE 470	5% 1/8W
R072	1-216-041-00	METAL GLAZE 470	5%	1/10W				

The components identified by shading and mark  $\Delta$  are critical for safety.  
Replace only with part number specified.

Les composants identifiés par une trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

M

G



REF. NO.	PART NO.	DESCRIPTION	REMARK
CN615	1-695-915-11	TAB (CONTACT)	
CN616	* 1-564-507-11	PLUG, CONNECTOR 4P	
CN617	* 1-580-843-11	PIN, CONNECTOR (POWER)	
CN624	* 1-564-507-11	PLUG, CONNECTOR 4P	

CN625	* 1-564-513-11	PLUG, CONNECTOR 10P
CN626	* 1-564-506-11	PLUG, CONNECTOR 3P
CN653	* 1-564-507-11	PLUG, CONNECTOR 4P
CN681	* 1-573-986-11	PIN, CONNECTOR (PC BOARD) 5P

**<DIODE>**

D601	A 8-719-052-29	DIODE LN4SB60
D604	8-719-911-19	DIODE 1SS119-25
D605	8-719-911-19	DIODE 1SS119-25
D606	8-719-911-19	DIODE 1SS119-25
D607	8-719-911-19	DIODE 1SS119-25
D608	8-719-911-19	DIODE 1SS119-25
D609	8-719-911-19	DIODE 1SS119-25
D610	8-719-911-19	DIODE 1SS119-25
D611	8-719-911-19	DIODE 1SS119-25
D651	8-719-052-91	DIODE D4SBS4-F
D655	8-719-052-92	DIODE D10SBS4F
D656	8-719-022-97	DIODE D2S4MF
D657	8-719-022-97	DIODE D2S4MF
D658	8-719-022-97	DIODE D2S4MF
D659	8-719-022-97	DIODE D2S4MF
D660	8-719-052-86	DIODE D2L40-TA
D661	8-719-052-86	DIODE D2L40-TA
D662	8-719-052-31	DIODE D1NL40-TR2
D663	8-719-052-31	DIODE D1NL40-TR2
D664	8-719-510-26	DIODE D1NL20
D665	8-719-911-19	DIODE 1SS119-25
D666	8-719-110-58	DIODE RD22ESB3
D667	8-719-110-22	DIODE RD11ESB2
D669	8-719-911-19	DIODE 1SS119-25
D670	8-719-110-41	DIODE RD15ESB2

D671	8-719-911-19	DIODE 1SS119-25
D672	8-719-109-54	DIODE RD2.2ESB2
D673	8-719-110-49	DIODE RD18ESB2
D674	8-719-911-19	DIODE 1SS119-25
D675	8-719-109-85	DIODE RD5.1ESB2

D676	8-719-911-19	DIODE 1SS119-25
D677	8-719-911-19	DIODE 1SS119-25
D678	8-719-911-19	DIODE 1SS119-25
D679	8-719-911-19	DIODE 1SS119-25
D680	8-719-200-82	DIODE 11ES2

D681	8-719-200-82	DIODE 11ES2
D682	8-719-200-82	DIODE 11ES2
D683	8-719-200-82	DIODE 11ES2
D685	8-719-911-19	DIODE 1SS119-25
D686	8-719-911-19	DIODE 1SS119-25

D687	8-719-109-51	DIODE RD2.0ESB2
D688	8-719-911-19	DIODE 1SS119-25
D689	8-719-911-19	DIODE 1SS119-25
D690	8-719-109-89	DIODE RD5.6ESB2
D691	8-719-911-19	DIODE 1SS119-25

D693	8-719-911-19	DIODE 1SS119-25
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**<FUSE>**

F601	A 1-576-193-11	FUSE (6.3A/125V)
	1-533-223-11	CLIP, FUSE ; F601

**<FERRITE BEAD>**

FB651	1-410-396-41	FERRITE BEAD INDUCTOR 0.45μH
FB652	1-410-396-41	FERRITE BEAD INDUCTOR 0.45μH

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The components identified by shading and mark **Δ** are critical for safety. Replace only with part number specified.

REF. NO.	PART NO.	DESCRIPTION	REMARK
<b>&lt;IC&gt;</b>			

IC651	A 1-810-051-11	POWER MODULE DM-43
IC652	8-759-701-79	IC NJM7812FA

**<COIL>**

L651	1-403-588-11	CIL, CHOKE 22μH
L652	1-403-588-11	CIL, CHOKE 22μH
L653	1-412-519-11	INDUCTOR 3.3μH
L654	1-403-588-11	CIL, CHOKE 22μH
L655	1-403-588-11	CIL, CHOKE 22μH

**<TRANSISTOR>**

Q601	8-729-019-49	TRANSISTOR 2SC4834M
Q602	8-729-019-49	TRANSISTOR 2SC4834M
Q651	8-729-820-82	TRANSISTOR 2SA1208-S
Q652	8-729-119-76	TRANSISTOR 2SA1175-HFE
Q653	8-729-230-45	TRANSISTOR 2SC2458-YGR
Q654	8-729-119-76	TRANSISTOR 2SA1175-HFE
Q655	8-729-230-45	TRANSISTOR 2SC2458-YGR
Q656	8-729-119-76	TRANSISTOR 2SA1175-HFE
Q657	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q658	8-729-119-76	TRANSISTOR 2SA1175-HFE
Q659	8-729-119-76	TRANSISTOR 2SA1175-HFE
Q660	8-729-119-76	TRANSISTOR 2SA1175-HFE
Q661	8-729-119-76	TRANSISTOR 2SA1175-HFE
Q662	8-729-119-76	TRANSISTOR 2SA1175-HFE
Q663	8-729-119-76	TRANSISTOR 2SA1175-HFE

**<RESISTOR>**

R602	A 1-219-236-91	SOLID	2.2M	20%	1/2W
R603	A 1-205-997-11	WIREWOUND	2.2	5%	10W
R604	A 1-247-891-91	CARBON	330K	5%	1/4W
R605	A 1-247-891-91	CARBON	330K	5%	1/4W
R606	A 1-202-933-61	FUSIBLE	0.1	10%	1/2W
R607	1-247-891-00	CARBON	330K	5%	1/4W
R608	1-247-891-00	CARBON	330K	5%	1/4W
R609	1-216-369-00	METAL OXIDE	1	5%	2W
R610	1-247-891-00	CARBON	330K	5%	1/4W
R611	1-247-891-00	CARBON	330K	5%	1/4W
R612	1-216-369-00	METAL OXIDE	1	5%	2W
R613	1-247-791-91	CARBON	22	5%	1/4W
R614	1-247-791-91	CARBON	22	5%	1/4W
R615	1-247-791-91	CARBON	22	5%	1/4W
R616	1-247-791-91	CARBON	22	5%	1/4W
R631	1-247-863-91	CARBON	22K	5%	1/4W
R632	1-247-807-31	CARBON	100	5%	1/4W
R633	1-247-807-31	CARBON	100	5%	1/4W
R634	1-249-417-11	CARBON	1K	5%	1/4W
R635	1-249-425-11	CARBON	4.7K	5%	1/4W
R636	1-249-413-11	CARBON	470	5%	1/4W
R651	1-216-370-11	METAL OXIDE	1.2	5%	2W
R653	1-249-418-11	CARBON	1.2K	5%	1/4W
R654	1-215-473-00	METAL	150K	1%	1/4W
R655	1-249-441-11	CARBON	100K	5%	1/4W
R656	1-216-369-00	METAL OXIDE	1	5%	2W
R657	1-249-429-11	CARBON	10K	5%	1/4W
R658	1-247-883-00	CARBON	150K	5%	1/4W
R659	1-249-417-11	CARBON	1K	5%	1/4W
R660	1-249-417-11	CARBON	1K	5%	1/4W
R661	1-215-471-00	METAL	120K	1%	1/4W
R662	A 1-215-452-91	METAL	20K	1%	1/4W
R664	1-249-429-11	CARBON	10K	5%	1/4W
R665	1-249-425-11	CARBON	4.7K	5%	1/4W

The components identified by shading and mark  $\Delta$  are critical for safety.  
Replace only with part number specified.

Les composants identifiés par une trame et une marque  $\Delta$  sont critiques pour la sécurité.  
Ne les remplacer que par une pièce portant le numéro spécifié.

G

CR

REF. NO.	PART NO.	DESCRIPTION	REMARK			REF. NO.	PART NO.	DESCRIPTION	REMARK		
R666	1-249-429-11	CARBON	10K	5%	1/4W	CN704	* 1-564-512-11	PLUG, CONNECTOR 9P			
R667	1-249-429-11	CARBON	10K	5%	1/4W	CN705	* 1-564-511-11	PLUG, CONNECTOR 8P			
R670	1-247-895-91	CARBON	470K	5%	1/4W	CN706	1-695-915-11	TAB (CONTACT)			
R672	1-247-807-31	CARBON	100	5%	1/4W	CN708	* 1-251-179-11	SOCKET, PICTURE TUBE			
R673	1-249-423-11	CARBON	3.3K	5%	1/4W	CN709	* 1-564-506-11	PLUG, CONNECTOR 3P			
R674	1-249-413-11	CARBON	470	5%	1/4W						
R675	1-249-429-11	CARBON	10K	5%	1/4W						
R676	1-249-421-11	CARBON	2.2K	5%	1/4W						
R677	1-249-417-11	CARBON	1K	5%	1/4W						
R678	1-249-423-11	CARBON	3.3K	5%	1/4W						
R679	1-249-423-11	CARBON	3.3K	5%	1/4W						
R680	1-249-413-11	CARBON	470	5%	1/4W						
R681	1-249-425-11	CARBON	4.7K	5%	1/4W						
R682	1-249-403-11	CARBON	68	5%	1/4W						
R683	1-249-417-11	CARBON	1K	5%	1/4W						
R684	1-249-417-11	CARBON	1K	5%	1/4W						
R685	1-247-863-91	CARBON	22K	5%	1/4W						
R686	1-249-429-11	CARBON	10K	5%	1/4W						
R687	1-249-423-11	CARBON	3.3K	5%	1/4W						
R688	1-249-423-11	CARBON	3.3K	5%	1/4W						
R689	1-249-429-11	CARBON	10K	5%	1/4W						
R690	1-247-863-91	CARBON	22K	5%	1/4W						
R691	1-249-417-11	CARBON	1K	5%	1/4W						
R693	1-249-425-11	CARBON	4.7K	5%	1/4W						
R694	1-249-425-11	CARBON	4.7K	5%	1/4W						
R695	1-249-429-11	CARBON	10K	5%	1/4W						
R697	1-249-413-11	CARBON	470	5%	1/4W						
R698	1-249-429-11	CARBON	10K	5%	1/4W						
R699	1-249-417-11	CARBON	1K	5%	1/4W						
<b>&lt;RELAY&gt;</b>											
RY601	A-1-755-032-11	RELAY									
RY602	A-1-755-032-11	RELAY									
<b>&lt;TRANSFORMER&gt;</b>											
T601	A-1-427-850-11	TRANSFORMER, LINE FILTER									
T602	A-1-427-863-11	TRANSFORMER, CONVERTER (PIT)									
T603	A-1-427-865-11	TRANSFORMER, POWER									
T604	A-1-427-864-11	TRANSFORMER, CONVERTER (PRT)									
T605	A-1-427-850-11	TRANSFORMER, LINE FILTER									
*****											
* A-1331-408-A CR BOARD, COMPLETE											
*****											
<b>&lt;CAPACITOR&gt;</b>											
C701	1-104-664-11	ELECT	47 $\mu$ F	20%	25V						
C702	1-107-662-11	ELECT	22 $\mu$ F	20%	250V						
C703	1-161-754-00	CERAMIC	0.001 $\mu$ F	10%	2KV						
C704	1-126-768-11	ELECT	2200 $\mu$ F	20%	16V						
C705	1-102-050-00	CERAMIC	0.01 $\mu$ F		500V						
C706	1-102-965-00	CERAMIC	39PF	5%	50V						
C707	1-102-129-00	CERAMIC	0.01 $\mu$ F	10%	50V						
C708	1-104-664-11	ELECT	47 $\mu$ F	20%	25V						
C709	1-107-651-11	ELECT	4.7 $\mu$ F	20%	250V						
C710	1-102-157-00	CERAMIC	560PF	10%	500V						
C714	1-162-115-00	CERAMIC	330PF	10%	2KV						
<b>&lt;CONNECTOR&gt;</b>											
CN701	* 1-508-784-00	PIN, CONNECTOR (5mm PITCH) 1P									
CN702	* 1-564-510-11	PLUG, CONNECTOR 7P									
CN703	* 1-564-512-11	PLUG, CONNECTOR 9P									
*****											
<b>&lt;RESISTOR&gt;</b>											
R701	1-215-411-00	METAL	390	1%	1/4W						
R702	1-215-414-00	METAL	510	1%	1/4W						
R704	1-202-847-00	SOLID	560K	20%	1/2W						
R706	1-249-407-11	CARBON	150	5%	1/4W						
R707	1-215-423-00	METAL	1.2K	1%	1/4W						
R708	1-202-883-11	SOLID	680K	20%	1/2W						
R709	1-215-437-00	METAL	4.7K	1%	1/4W						
R710	1-215-427-00	METAL	1.8K	1%	1/4W						
R711	1-215-427-00	METAL	1.8K	1%	1/4W						
R712	1-215-903-11	METAL OXIDE	68K	5%	2W						F
<b>&lt;TRANSISTOR&gt;</b>											
Q701	8-729-119-76	TRANSISTOR 2SA1175-HFE									
<b>&lt;SPARK GAP&gt;</b>											
R713	1-202-818-00	SOLID	1K	20%	1/2W						
R714	1-202-818-00	SOLID	1K	20%	1/2W						
R715	1-249-436-11	CARBON	39K	5%	1/4W						
R716	1-249-437-11	CARBON	47K	5%	1/4W						
R718	1-249-417-11	CARBON	1K	5%	1/4W						
R719	1-247-807-31	CARBON	100	5%	1/4W						
R720	1-249-437-11	CARBON	47K	5%	1/4W						
R721	1-202-549-00	SOLID	100	20%	1/2W						
R722	1-202-549-00	SOLID	100	20%	1/2W						
<b>&lt;SPARK GAP&gt;</b>											
SG701	1-519-422-11	GAP, SPARK									
SG702	1-519-422-11	GAP, SPARK									
SG703	1-519-422-11	GAP, SPARK									
*****											

**CG**

**CB**

Les composants identifiés par une trame et une marque **Δ** sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark **Δ** are critical for safety. Replace only with part number specified.

**REF. NO.** **PART NO.** **DESCRIPTION** **REMARK**

\* A-1331-409-A CG BOARD, COMPLETE  
\*\*\*\*\*

**<CAPACITOR>**

C731	1-161-754-00	CERAMIC	0.001μF	10%	2KV
C732	1-107-662-11	ELECT	22μF	20%	250V
C733	1-102-050-00	CERAMIC	0.01μF	500V	
C736	1-126-964-11	ELECT	10μF	20%	50V
C738	1-107-651-91	ELECT	4.7μF	20%	250V
C739	1-101-888-00	CERAMIC	68PF	5%	50V
C740	1-126-964-11	ELECT	10μF	20%	50V
C741	1-102-157-00	CERAMIC	560PF	10%	500V
C742	1-162-115-00	CERAMIC	330PF	10%	2KV

**<CONNECTOR>**

CN731	* 1-508-784-00 PIN, CONNECTOR (5mm PITCH) 1P				
CN732	* 1-564-512-11 PLUG, CONNECTOR 9P				
CN733	* 1-564-512-11 PLUG, CONNECTOR 9P				
CN734	* 1-564-511-11 PLUG, CONNECTOR 8P				
CN735	* 1-564-509-11 PLUG, CONNECTOR 6P				

CN736 1-695-915-11 TAB (CONTACT)

CN738 **Δ** 1-251-179-11 SOCKET PICTURE TUBE

**<DIODE>**

D731	8-719-110-36	DIODE RD13ESB2
D732	8-719-901-83	DIODE 1SS83
D735	8-719-901-83	DIODE 1SS83
D736	8-719-510-48	DIODE D1N20R
D737	8-719-110-36	DIODE RD13ESB2

**<IC>**

IC731 8-759-168-72 IC TDA6101Q

**<COIL>**

L731 1-408-429-00 INDUCTOR 470μH

**<NEON LAMP>**

NL731 1-519-108-99 LAMP, NEON

**<RESISTOR>**

R731	1-202-847-00	SOLID	560K	20%	1/2W
R733	1-202-883-11	SOLID	680K	20%	1/2W
R734	1-202-818-00	SOLID	1K	20%	1/2W
R735	1-249-407-11	CARBON	150	5%	1/4W
R736	1-249-441-11	CARBON	100K	5%	1/4W
R737	1-202-818-00	SOLID	1K	20%	1/2W
R738	1-202-549-00	SOLID	100	20%	1/2W
R739	1-215-420-00	METAL	910	1%	1/4W
R740	1-215-427-00	METAL	1.8K	1%	1/4W
R741	1-249-437-11	CARBON	47K	5%	1/4W
R742	1-215-903-11	METAL OXIDE	68K	5%	2W

**<SPARK GAP>**

SG731	1-519-422-11	GAP, SPARK
SG732	1-519-422-11	GAP, SPARK
SG733	1-519-422-11	GAP, SPARK

**<CAPACITOR>**

C761	1-161-754-00	CERAMIC	0.001μF	10%	2KV
C762	1-107-662-11	ELECT	22μF	20%	250V
C763	1-102-050-00	CERAMIC	0.01μF	500V	
C766	1-107-651-11	ELECT	4.7μF	20%	250V
C769	1-101-888-00	CERAMIC	68PF	5%	50V
C770	1-126-964-11	ELECT	10μF	20%	50V
C771	1-102-157-00	CERAMIC	560PF	10%	500V
C772	1-162-115-00	CERAMIC	330PF	10%	2KV

**<CONNECTOR>**

CN761	* 1-508-784-00 PIN, CONNECTOR (5mm PITCH) 1P				
CN762	* 1-564-512-11 PLUG, CONNECTOR 9P				
CN763	* 1-564-509-11 PLUG, CONNECTOR 6P				
CN766	1-695-915-11 TAB (CONTACT)				
CN768 <b>Δ</b>	1-251-179-11 SOCKET PICTURE TUBE				

**<DIODE>**

D761	8-719-110-36	DIODE RD13ESB2
D762	8-719-901-83	DIODE 1SS83
D763	8-719-911-19	DIODE 1SS119-25
D764	8-719-110-36	DIODE RD13ESB2
D765	8-719-110-36	DIODE RD13ESB2
D767	8-719-901-83	DIODE 1SS83
D768	8-719-510-48	DIODE D1N20R
D769	8-719-110-36	DIODE RD13ESB2

**<IC>**

IC761 8-759-168-72 IC TDA6101Q

**<COIL>**

L761 1-408-429-00 INDUCTOR 470μH

**<NEON LAMP>**

NL760 1-519-108-99 LAMP, NEON

**<RESISTOR>**

R761	1-202-847-00	SOLID	560K	20%	1/2W
R763	1-202-883-11	SOLID	680K	20%	1/2W
R764	1-202-818-00	SOLID	1K	20%	1/2W
R767	1-202-818-00	SOLID	1K	20%	1/2W
R768	1-202-549-00	SOLID	100	20%	1/2W
R769	1-215-421-00	METAL	1K	1%	1/4W
R770	1-249-426-11	CARBON	5.6K	5%	1/4W
R771	1-215-427-00	METAL	1.8K	1%	1/4W
R773	1-215-903-11	METAL OXIDE	68K	5%	2W
R774	1-249-407-11	CARBON	150	5%	1/4W
R775	1-202-549-00	SOLID	100	20%	1/2W

**<SPARK GAP>**

SG761	1-519-422-11	GAP, SPARK
SG762	1-519-422-11	GAP, SPARK
SG763	1-519-422-11	GAP, SPARK

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The components identified by shading and mark  $\Delta$  are critical for safety.  
Replace only with part number specified.

Les composants identifiés par une trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifique.

E



The components identified by **█** in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

Les composants identifiés par une trame et une marque **█** sont critiques pour la sécurité. Ne les remplacez que par une pièce portant le numéro spécifié.

The components identified by shading and mark **▲** are critical for safety. Replace only with part number specified.

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
D922	8-719-404-46	DIODE MA110		R807	1-260-325-11	CARBON	560 5% 1/2W
D923	8-719-404-46	DIODE MA110		R808	1-249-427-11	CARBON	1/4W F
D924	8-719-404-46	DIODE MA110		R809	1-216-097-91	CARBON	1/4W F
D925	8-719-105-45	DIODE RD3.3M-B1		R810	1-249-427-11	CARBON	6.8K 5% 1/4W F
D926	8-719-404-46	DIODE MA110		R811	1-216-097-91	METAL GLAZE	100K 5% 1/10W
D927	8-759-701-79	DIODE NJM7812FA		R812	1-216-395-00	METAL OXIDE	3.3 5% 3W F
		<b>&lt;FERRITE BEAD&gt;</b>		R813	1-216-484-00	METAL OXIDE	3.9K 5% 3W F
FB001	1-410-396-41	FERRITE BEAD INDUCTOR 0.45μH		R814	1-215-919-11	METAL OXIDE	2.2K 5% 3W F
		<b>&lt;IC&gt;</b>		R816	1-216-051-00	METAL GLAZE	1.2K 5% 1/10W
IC901	8-759-133-90	IC μPC339C		R817	1-216-395-00	METAL OXIDE	3.3 5% 3W F
IC902	8-759-133-90	IC μPC339C		R818	1-249-405-11	CARBON	100 5% 1/4W F
IC903	8-759-711-28	IC NJM2058D		R819	1-216-083-00	METAL GLAZE	27K 5% 1/10W
IC904	8-759-634-51	IC M5218AP		R820	1-215-905-11	METAL OXIDE	10 5% 3W F
IC905	8-759-929-65	IC LM7912CT		R821	1-216-073-00	METAL GLAZE	10K 5% 1/10W
IC906	8-759-701-79	IC NJM7812FA		R822	1-215-928-11	METAL OXIDE	68K 5% 3W F
		<b>&lt;COIL&gt;</b>		R823	1-216-047-91	METAL GLAZE	820 5% 1/10W
L801	1-406-665-11	COIL, CHOKE 100μH		R825	1-215-928-11	METAL OXIDE	68K 5% 3W F
L802	1-406-665-11	COIL, CHOKE 100μH		R826	1-216-033-00	METAL GLAZE	220 5% 1/10W
L803	1-422-613-11	COIL, AIR CORE		R830	1-215-928-11	METAL OXIDE	68K 5% 3W F
L804	1-411-286-11	COIL, CHOKE 220μH		R831	1-215-919-11	METAL OXIDE	2.2K 5% 3W F
L901	1-408-416-00	INDUCTOR 39μH		R832	1-216-049-91	METAL GLAZE	1K 5% 1/10W
L902	1-408-416-00	INDUCTOR 39μH		R835	1-249-474-11	CARBON	1 5% 1/2W F
		<b>&lt;NEON LAMP&gt;</b>		R836	1-202-818-00	SOLID	1K 20% 1/2W
NL802	1-519-108-99	LAMP, NEON		R837	1-215-870-11	METAL OXIDE	1.5K 5% 1W F
		<b>&lt;TRANSISTOR&gt;</b>		R838	1-247-807-31	CARBON	100 5% 1/4W
Q801	8-729-119-80	TRANSISTOR 2SC2688-LK		R839	1-249-429-11	CARBON	10K 5% 1/4W F
Q802	8-729-119-80	TRANSISTOR 2SC2688-LK		R841	1-216-491-11	METAL OXIDE	56K 5% 3W F
Q803	8-729-122-12	TRANSISTOR 2SA1221-L		R843	1-202-549-00	SOLID	100 20% 1/2W
Q806	8-729-805-07	TRANSISTOR 2SD1887-CA		R844	1-216-491-11	METAL OXIDE	56K 5% 3W F
Q807	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R846	1-202-838-00	SOLID	100K 20% 1/2W
Q808	8-729-024-30	TRANSISTOR IRFI640LF		R847	1-216-073-00	METAL GLAZE	10K 5% 1/10W
Q809	8-729-823-81	TRANSISTOR 2SC4632LS-CB7		R849	1-247-863-91	CARBON	22K 5% 1/4W
Q810	8-729-231-55	TRANSISTOR 2SC2878-AB		R850	1-216-081-00	METAL GLAZE	22K 5% 1/10W
Q811	8-729-823-81	TRANSISTOR 2SC4632LS-CB7		R851	1-216-667-11	METAL CHIP	4.7K 0.50% 1/10W
Q813	8-729-216-22	TRANSISTOR 2SA1162-G		R852	1-208-806-11	METAL CHIP	10K 0.50% 1/10W
Q901	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R854	1-249-381-11	CARBON	1 5% 1/4W F
Q902	8-729-140-93	TRANSISTOR 2SB733-34		R855	1-208-822-11	METAL CHIP	47K 0.50% 1/10W
Q903	8-729-140-96	TRANSISTOR 2SD774-34		R856	1-208-822-11	METAL CHIP	47K 0.50% 1/10W
Q904	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R857	1-218-755-11	METAL CHIP	130K 0.50% 1/10W
Q905	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R858	1-216-676-11	METAL CHIP	11K 0.50% 1/10W
Q906	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R901	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
Q907	8-729-231-55	TRANSISTOR 2SC2878-AB		R902	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
Q908	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R903	1-216-085-00	METAL GLAZE	33K 5% 1/10W
Q909	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R904	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W
Q910	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R905	1-247-739-11	CARBON	100 5% 1/2W F
Q911	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R906	1-247-739-11	CARBON	100 5% 1/2W F
Q912	8-729-216-22	TRANSISTOR 2SA1162-G		R907	1-216-091-00	METAL GLAZE	56K 5% 1/10W
Q913	8-729-900-36	TRANSISTOR DTC124ES		R908	1-216-085-00	METAL GLAZE	33K 5% 1/10W
Q914	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R909	1-216-113-00	METAL GLAZE	470K 5% 1/10W
Q915	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R910	1-216-059-00	METAL GLAZE	2.7K 5% 1/10W
		<b>&lt;RESISTOR&gt;</b>		R911	1-216-059-00	METAL GLAZE	2.7K 5% 1/10W
R801	1-216-041-00	METAL GLAZE 470	5% 1/10W	R912	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R802	1-249-421-11	CARBON 2.2K	5% 1/4W	R913	1-216-077-00	METAL GLAZE	15K 5% 1/10W
R804	1-249-425-11	CARBON 4.7K	5% 1/4W F	R914	1-216-049-91	METAL GLAZE	1K 5% 1/10W
R805	1-216-435-11	METAL OXIDE 2.7K	5% 1W F	R915	1-216-091-00	METAL GLAZE	56K 5% 1/10W
R806	1-249-431-11	CARBON 15K	5% 1/4W F	R916	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
				R917	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W
				R918	1-216-073-00	METAL GLAZE	10K 5% 1/10W
				R919	1-216-077-00	METAL GLAZE	15K 5% 1/10W
				R920	1-216-113-00	METAL GLAZE	470K 5% 1/10W
				R921	1-216-059-00	METAL GLAZE	2.7K 5% 1/10W
				R922	1-216-073-00	METAL GLAZE	10K 5% 1/10W
				R923	1-216-077-00	METAL GLAZE	15K 5% 1/10W
				R924	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W
				R926	1-216-049-91	METAL GLAZE	1K 5% 1/10W
				R927	1-249-377-11	CARBON	0.47 5% 1/4W F
				R928	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W
				R929	1-216-041-00	METAL GLAZE	470 5% 1/10W

The components identified by shading and mark **Δ** are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque **Δ** sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

• The components identified by **☒** in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

**E** **D**

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R930	1-216-081-00	METAL GLAZE 22K	5%	1/10W		<b>&lt;SPARK GAP&gt;</b>	
R931	1-216-059-00	METAL GLAZE 2.7K	5%	1/10W	SG801	1-519-422-11 GAP, SPARK	
R932	1-216-059-00	METAL GLAZE 2.7K	5%	1/10W		<b>&lt;TRANSFORMER&gt;</b>	
R933	1-216-081-00	METAL GLAZE 22K	5%	1/10W	T801	Δ 1-453-189-11 TRANSFORMER ASSY, FLYBACK (NX-263/A4S)	
R934	1-216-085-00	METAL GLAZE 33K	5%	1/10W	T802	1-437-209-11 TRANSFORMER, HORIZONTAL DRIVE	
R935	1-216-049-91	METAL GLAZE 1K	5%	1/10W	T803	Δ 1-427-980-11 TRANSFORMER, TERRITE (LOT)	
R936	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W		*****	
R937	1-216-049-91	METAL GLAZE 1K	5%	1/10W			
R938	1-208-810-11	METAL CHIP 15K	0.50%	1/10W			
R939	1-216-073-00	METAL GLAZE 10K	5%	1/10W			
R940	1-216-083-00	METAL GLAZE 27K	5%	1/10W			
R941	1-216-091-00	METAL GLAZE 56K	5%	1/10W			
R942	1-216-049-91	METAL GLAZE 1K	5%	1/10W		* A-1346-296-A D BOARD, COMPLETE	
R943	1-249-377-11	CARBON 0.47	5%	1/4W		*****	
R944	1-216-689-11	METAL GLAZE 39K	5%	1/10W			
R945	1-216-077-00	METAL GLAZE 15K	5%	1/10W		4-382-854-11 SCREW (M3X10), P, SW (+)	
R946	1-216-073-00	METAL GLAZE 10K	5%	1/10W		7-682-652-09 SCREW +PSW 3X16	
R947	1-216-025-91	METAL GLAZE 100	5%	1/10W			
R948	1-216-051-00	METAL GLAZE 1.2K	5%	1/10W		<b>&lt;CAPACITOR&gt;</b>	
R950	1-216-049-91	METAL GLAZE 1K	5%	1/10W	C1502	1-126-943-11 ELECT 2200 $\mu$ F 20%	25V
R952	1-216-049-91	METAL GLAZE 1K	5%	1/10W	C1503	1-164-232-11 CERAMIC CHIP 0.01 $\mu$ F 10%	50V
R954	1-214-777-00	METAL 100K	1%	1/4W	C1504	1-126-943-11 ELECT 2200 $\mu$ F 20%	25V
R955	1-214-769-00	METAL 47K	1%	1/4W	C1505	1-136-177-00 FILM 1 $\mu$ F 5% 50V	
R956	1-208-806-11	METAL CHIP 10K	0.50%	1/10W	C1506	1-102-228-00 CERAMIC 470PF 10% 500V	
R957	1-218-754-11	METAL CHIP 120K	0.50%	1/10W	C1507	1-164-232-11 CERAMIC CHIP 0.01 $\mu$ F 10% 50V	
R958	1-218-756-11	METAL CHIP 150K	0.50%	1/10W	C1508	1-163-117-00 CERAMIC CHIP 100PF 5% 50V	
R959	1-214-757-00	METAL 15K	1%	1/4W	C1509	1-124-122-11 ELECT 100 $\mu$ F 20% 50V	
R960	1-216-077-00	METAL GLAZE 15K	5%	1/10W	C1510	1-137-398-11 FILM 0.068 $\mu$ F 10% 100V	
R961	1-535-303-00	LEAD, JUMPER (5.0mm)			C1511	1-137-423-11 FILM 0.15 $\mu$ F 10% 100V	
R962	1-208-806-11	METAL CHIP 10K	0.50%	1/10W	C1512	1-137-423-11 FILM 0.15 $\mu$ F 10% 100V	
R963	1-214-749-00	METAL 6.8K	1%	1/4W	C1513	1-163-109-00 CERAMIC CHIP 47PF 5% 50V	
R964	1-214-757-00	METAL 15K	1%	1/4W	C1514	1-163-031-11 CERAMIC CHIP 0.01 $\mu$ F 50V	
R965	1-216-097-91	METAL GLAZE 100K	5%	1/10W	C1516	1-136-177-00 FILM 1 $\mu$ F 5% 50V	
R966	1-214-757-00	METAL 15K	1%	1/4W	C1517	1-163-125-00 CERAMIC CHIP 220PF 5% 50V	
R967	1-216-025-91	METAL GLAZE 100	5%	1/10W	C1551	1-126-964-11 ELECT 10 $\mu$ F 20% 50V	
R968	1-214-751-00	METAL 8.2K	1%	1/4W	C1603	1-163-117-00 CERAMIC CHIP 100PF 5% 50V	
R969	1-214-731-00	METAL 1.2K	1%	1/4W	C1604	1-163-117-00 CERAMIC CHIP 100PF 5% 50V	
R970	1-214-757-00	METAL 15K	1%	1/4W	C1605	1-163-117-00 CERAMIC CHIP 100PF 5% 50V	
R971	1-216-121-91	METAL GLAZE 1M	5%	1/10W	C1606	1-163-117-00 CERAMIC CHIP 100PF 5% 50V	
R972	1-216-699-11	METAL CHIP 100K	0.50%	1/10W	C1607	1-163-117-00 CERAMIC CHIP 100PF 5% 50V	
R973	1-216-081-00	METAL GLAZE 22K	5%	1/10W	C1608	1-163-117-00 CERAMIC CHIP 100PF 5% 50V	
R974	1-216-699-11	METAL CHIP 100K	0.50%	1/10W	C1611	1-124-122-11 ELECT 100 $\mu$ F 20% 50V	
R975	1-216-043-91	METAL GLAZE 560	5%	1/10W	C1612	1-104-665-11 ELECT 100 $\mu$ F 20% 25V	
R976	1-216-041-00	METAL GLAZE 470	5%	1/10W	C1613	1-124-122-11 ELECT 100 $\mu$ F 20% 50V	
R977	1-216-075-00	METAL GLAZE 12K	5%	1/10W	C1615	1-104-665-11 ELECT 100 $\mu$ F 20% 25V	
R978	1-216-057-00	METAL GLAZE 2.2K	5%	1/10W	C1617	1-124-122-11 ELECT 100 $\mu$ F 20% 50V	
R979	1-216-075-00	METAL GLAZE 12K	5%	1/10W	C1619	1-104-665-11 ELECT 100 $\mu$ F 20% 25V	
R980	1-216-081-00	METAL GLAZE 22K	5%	1/10W	C1620	1-124-122-11 ELECT 100 $\mu$ F 20% 50V	
R981	1-216-073-00	METAL GLAZE 10K	5%	1/10W	C1622	1-104-665-11 ELECT 100 $\mu$ F 20% 25V	
R982	1-216-671-11	METAL CHIP 6.8K	0.50%	1/10W	C1701	1-126-935-11 ELECT 470 $\mu$ F 20% 16V	
R983	Δ	METAL GLAZE		1/10W	C1702	1-163-809-11 CERAMIC CHIP 0.047 $\mu$ F 10% 25V	
R984	1-216-083-00	METAL GLAZE 27K	5%	1/10W	C1703	1-163-099-00 CERAMIC CHIP 18PF 5% 50V	
R985	1-208-812-11	METAL CHIP 18K	0.50%	1/10W	C1704	1-163-125-00 CERAMIC CHIP 220PF 5% 50V	
R986	1-216-049-91	METAL GLAZE 1K	5%	1/10W	C1705	1-163-099-00 CERAMIC CHIP 18PF 5% 50V	
R987	1-216-059-00	METAL GLAZE 2.7K	5%	1/10W	C1709	1-163-031-11 CERAMIC CHIP 0.01 $\mu$ F 50V	
R988	Δ	METAL GLAZE		1/10W	C1723	1-163-117-00 CERAMIC CHIP 100PF 5% 50V	
R989	1-216-462-00	METAL OXIDE 8.2K	5%	2W	C1724	1-163-117-00 CERAMIC CHIP 100PF 5% 50V	
R990	1-215-897-11	METAL OXIDE 6.8K	5%	2W	C1801	1-124-903-11 ELECT 1 $\mu$ F 20% 50V	
R991	1-208-803-11	METAL CHIP 7.5K	0.50%	1/10W	C1802	1-126-964-11 ELECT 10 $\mu$ F 20% 50V	
R992	1-249-431-11	CARBON 15K	5%	1/4W	C1803	1-163-809-11 CERAMIC CHIP 0.047 $\mu$ F 10% 25V	
R993	1-249-431-11	CARBON 15K	5%	1/4W	C1805	1-163-809-11 CERAMIC CHIP 0.047 $\mu$ F 10% 25V	
R994	1-247-807-31	CARBON 100	5%	1/4W	C1806	1-163-127-00 CERAMIC CHIP 270PF 5% 50V	
R995	1-216-677-11	METAL CHIP 12K	0.50%	1/10W	C1807	1-163-809-11 CERAMIC CHIP 0.047 $\mu$ F 10% 25V	
R996	1-208-814-11	METAL CHIP 22K	0.50%	1/10W	C1808	1-163-809-11 CERAMIC CHIP 0.047 $\mu$ F 10% 25V	
R997	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W	C1809	1-126-940-11 ELECT 330 $\mu$ F 20% 16V	
R998	1-216-073-00	METAL GLAZE 10K	5%	1/10W	C1810	1-126-940-11 ELECT 330 $\mu$ F 20% 16V	
R999	1-216-051-00	METAL GLAZE 1.2K	5%	1/10W	C1811	1-163-809-11 CERAMIC CHIP 0.047 $\mu$ F 10% 25V	
				C1812	1-163-809-11 CERAMIC CHIP 0.047 $\mu$ F 10% 25V		

**D**

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
C1813	1-163-275-11	CERAMIC CHIP 0.001μF	5% 50V	CJ16	1-216-295-91	CONDUCTOR, CHIP	
C1814	1-163-809-11	CERAMIC CHIP 0.047μF	10% 25V	CJ17	1-216-295-91	CONDUCTOR, CHIP	
C1816	1-163-117-00	CERAMIC CHIP 100PF	5% 50V	CJ18	1-216-295-91	CONDUCTOR, CHIP	
C1817	1-163-117-00	CERAMIC CHIP 100PF	5% 50V	CJ19	1-216-295-91	CONDUCTOR, CHIP	
C1818	1-163-809-11	CERAMIC CHIP 0.047μF	10% 25V	CJ20	1-216-295-91	CONDUCTOR, CHIP	
C1819	1-124-903-11	ELECT 1μF	20% 50V	CJ21	1-216-295-91	CONDUCTOR, CHIP	
C1820	1-163-005-11	CERAMIC CHIP 470PF	10% 50V	CJ22	1-216-295-91	CONDUCTOR, CHIP	
C1821	1-124-902-00	ELECT 0.47μF	20% 50V	CJ23	1-216-295-91	CONDUCTOR, CHIP	
C1822	1-163-005-11	CERAMIC CHIP 470PF	10% 50V	CJ24	1-216-295-91	CONDUCTOR, CHIP	
C1823	1-124-903-11	ELECT 1μF	20% 50V	CJ25	1-216-295-91	CONDUCTOR, CHIP	
C1824	1-124-903-11	ELECT 1μF	20% 50V	CJ26	1-216-295-91	CONDUCTOR, CHIP	
C1825	1-126-967-11	ELECT 47μF	20% 50V	CJ27	1-216-295-91	CONDUCTOR, CHIP	
C1826	1-126-967-11	ELECT 47μF	20% 50V	CJ28	1-216-295-91	CONDUCTOR, CHIP	
C1827	1-163-809-11	CERAMIC CHIP 0.047μF	10% 25V	CJ29	1-216-295-91	CONDUCTOR, CHIP	
C1828	1-163-809-11	CERAMIC CHIP 0.047μF	10% 25V	CJ30	1-216-295-91	CONDUCTOR, CHIP	
C1829	1-163-809-11	CERAMIC CHIP 0.047μF	10% 25V	CJ31	1-216-295-91	CONDUCTOR, CHIP	
C1830	1-163-809-11	CERAMIC CHIP 0.047μF	10% 25V	CJ34	1-216-295-91	CONDUCTOR, CHIP	
C1831	1-126-940-11	ELECT 330μF	20% 16V	CJ35	1-216-295-91	CONDUCTOR, CHIP	
C1832	1-126-940-11	ELECT 330μF	20% 16V	CJ36	1-216-295-91	CONDUCTOR, CHIP	
C1833	1-163-809-11	CERAMIC CHIP 0.047μF	10% 25V	CJ37	1-216-295-91	CONDUCTOR, CHIP	
C1834	1-163-809-11	CERAMIC CHIP 0.047μF	10% 25V	CJ38	1-216-295-91	CONDUCTOR, CHIP	
C1835	1-163-809-11	CERAMIC CHIP 0.047μF	10% 25V	CJ39	1-216-295-91	CONDUCTOR, CHIP	
C1836	1-163-809-11	CERAMIC CHIP 0.047μF	10% 25V	CJ42	1-216-295-91	CONDUCTOR, CHIP	
C1837	1-164-489-11	CERAMIC CHIP 0.22μF	10% 16V	CJ43	1-216-295-91	CONDUCTOR, CHIP	
C1838	1-124-122-11	ELECT 100μF	20% 50V	CJ44	1-216-295-91	CONDUCTOR, CHIP	
C1839	1-124-122-11	ELECT 100μF	20% 50V	CJ46	1-216-295-91	CONDUCTOR, CHIP	
C1840	1-124-903-11	ELECT 1μF	20% 50V	CJ47	1-216-295-91	CONDUCTOR, CHIP	
C1841	1-126-967-11	ELECT 47μF	20% 50V	CJ48	1-216-295-91	CONDUCTOR, CHIP	
C1842	1-163-117-00	CERAMIC CHIP 100PF	5% 50V	CJ50	1-216-295-91	CONDUCTOR, CHIP	
C1843	1-163-117-00	CERAMIC CHIP 100PF	5% 50V	CJ51	1-216-295-91	CONDUCTOR, CHIP	
C1844	1-126-967-11	ELECT 47μF	20% 50V	CJ53	1-216-295-91	CONDUCTOR, CHIP	
C1845	1-163-809-11	CERAMIC CHIP 0.047μF	10% 25V	CJ54	1-216-295-91	CONDUCTOR, CHIP	
C1847	1-163-809-11	CERAMIC CHIP 0.047μF	10% 25V	CJ55	1-216-295-91	CONDUCTOR, CHIP	
C1848	1-163-809-11	CERAMIC CHIP 0.047μF	10% 25V	CJ57	1-216-295-91	CONDUCTOR, CHIP	
C1849	1-124-122-11	ELECT 100μF	20% 50V	CJ58	1-216-295-91	CONDUCTOR, CHIP	
C1850	1-124-122-11	ELECT 100μF	20% 50V	CJ59	1-216-295-91	CONDUCTOR, CHIP	
C1851	1-137-399-11	FILM 0.1μF	5% 50V	CJ60	1-216-295-91	CONDUCTOR, CHIP	
C1852	1-124-122-11	ELECT 100μF	20% 50V	CJ62	1-216-295-91	CONDUCTOR, CHIP	
C1853	1-137-378-11	FILM 0.22μF	5% 50V	CJ63	1-216-295-91	CONDUCTOR, CHIP	
C1854	1-124-927-11	ELECT 4.7μF	20% 50V	<CONNECTOR>			
C1855	1-124-903-11	ELECT 1μF	20% 50V	CN1509	* 1-564-506-11	PLUG, CONNECTOR 3P	
C1856	1-104-665-11	ELECT 100μF	20% 25V	CN1513	* 1-564-506-11	PLUG, CONNECTOR 3P	
C1857	1-124-122-11	ELECT 100μF	20% 50V	CN1612	* 1-564-507-11	PLUG, CONNECTOR 4P	
C1858	1-163-809-11	CERAMIC CHIP 0.047μF	10% 25V	CN1642	* 1-564-507-11	PLUG, CONNECTOR 4P	
C1859	1-163-809-11	CERAMIC CHIP 0.047μF	10% 25V	CN1672	* 1-564-507-11	PLUG, CONNECTOR 4P	
C1860	1-163-809-11	CERAMIC CHIP 0.047μF	10% 25V	CN1716	* 1-564-507-11	PLUG, CONNECTOR 4P	
C1861	1-124-122-11	ELECT 100μF	20% 50V	CN1756	* 1-564-508-11	PLUG, CONNECTOR 5P	
C1862	1-124-903-11	ELECT 1μF	20% 50V	CN1757	* 1-564-516-11	PLUG, CONNECTOR 13P	
C1863	1-136-173-00	FILM 0.47μF	5% 50V	<DIODE>			
C1864	1-124-903-11	ELECT 1μF	20% 50V	D1501	8-719-908-03	DIODE GP08D	
C1865	1-124-903-11	ELECT 1μF	20% 50V	D1502	8-719-109-89	DIODE RD5.6ESB2	
C1866	1-126-967-11	ELECT 47μF	20% 50V	D1503	8-719-908-03	DIODE GP08D	
<CHIP CONDUCTOR>				D1505	8-719-109-88	DIODE RD5.6ESB1	
CJ1	1-216-295-91	CONDUCTOR, CHIP		D1551	8-719-109-72	DIODE RD3.9ESB2	
CJ2	1-216-295-91	CONDUCTOR, CHIP		D1552	8-719-911-19	DIODE 1SS119-25	
CJ3	1-216-295-91	CONDUCTOR, CHIP		D1553	8-719-911-19	DIODE 1SS119-25	
CJ4	1-216-295-91	CONDUCTOR, CHIP		D1601	8-719-908-03	DIODE GP08D	
CJ5	1-216-295-91	CONDUCTOR, CHIP		D1602	8-719-908-03	DIODE GP08D	
CJ6	1-216-295-91	CONDUCTOR, CHIP		D1603	8-719-908-03	DIODE GP08D	
CJ7	1-216-295-91	CONDUCTOR, CHIP		D1604	8-719-908-03	DIODE GP08D	
CJ8	1-216-295-91	CONDUCTOR, CHIP		D1803	8-719-911-19	DIODE 1SS119-25	
CJ9	1-216-295-91	CONDUCTOR, CHIP		D1812	8-719-911-19	DIODE 1SS119-25	
CJ10	1-216-295-91	CONDUCTOR, CHIP		D1814	8-719-911-19	DIODE 1SS119-25	
CJ11	1-216-295-91	CONDUCTOR, CHIP		D1825	8-719-911-19	DIODE 1SS119-25	
CJ12	1-216-295-91	CONDUCTOR, CHIP					
CJ13	1-216-295-91	CONDUCTOR, CHIP					

D

The components identified by shading and mark  $\Delta$  are critical for safety.  
Replace only with part number specified.

Les composants identifiés par une trame et une marque  $\Delta$  sont critiques pour la sécurité.  
Ne les remplacer que par une pièce portant le numéro spécifié.

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
<b>&lt;RESISTOR&gt;</b>							
D1826	8-719-911-19	DIODE 1SS119-25		R1501	1-216-049-91	METAL GLAZE 1K	5% 1/10W
D1827	8-719-109-68	DIODE RD3.6ESB1		R1502	1-208-814-11	METAL CHIP 22K	0.50% 1/10W
D1931	8-719-110-60	DIODE RD24ESB		R1504	1-216-081-00	METAL GLAZE 22K	5% 1/10W
D1932	8-719-110-60	DIODE RD24ESB		R1505	1-216-085-00	METAL GLAZE 33K	5% 1/10W
D1934	8-719-110-60	DIODE RD24ESB		R1506	1-216-049-91	METAL GLAZE 1K	5% 1/10W
D1935	8-719-110-60	DIODE RD24ESB		R1507	1-208-814-11	METAL CHIP 22K	0.50% 1/10W
D1936	8-719-110-60	DIODE RD24ESB		R1508	1-216-057-00	METAL GLAZE 2.2K	5% 1/10W
D1937	8-719-110-60	DIODE RD24ESB		R1509	1-249-385-91	CARBON 1.5	5% 1/4W F
D1942	8-719-110-60	DIODE RD24ESB		R1510	1-214-671-11	METAL 3.9	1% 1/4W
D1945	8-719-110-60	DIODE RD24ESB		R1511	1-214-671-11	METAL 3.9	1% 1/4W
D1946	8-719-110-60	DIODE RD24ESB		R1512	1-215-914-11	METAL OXIDE 330	5% 3W F
D1947	8-719-110-60	DIODE RD24ESB		R1513	1-214-671-11	METAL 3.9	1% 1/4W
D1948	8-719-110-36	DIODE RD13ESB2		R1514	1-216-632-11	METAL CHIP 160	0.50% 1/10W
D1949	8-719-110-60	DIODE RD24ESB		R1515	1-216-639-11	METAL CHIP 330	0.50% 1/10W
D1951	8-719-110-36	DIODE RD13ESB2		R1516	1-214-671-11	METAL 3.9	1% 1/4W
D1953	8-719-110-36	DIODE RD13ESB2		R1517	1-216-647-11	METAL CHIP 680	0.50% 1/10W
D1954	8-719-110-36	DIODE RD13ESB2		R1518	1-216-665-11	METAL CHIP 3.9K	0.50% 1/10W
<b>&lt;FUSE&gt;</b>							
F1601	$\Delta$ 1-532-745-11	FUSE, GLASS TUBE (3.15A/125V)		R1519	1-249-385-91	CARBON 2.2	5% 1/4W F
	1-533-223-11	CLIP, FUSE ; F601		R1520	1-249-385-91	CARBON 2.2	5% 1/4W F
F1602	$\Delta$ 1-532-745-11	FUSE, GLASS TUBE (3.15A/125V)		R1521	1-216-049-91	METAL GLAZE 1K	5% 1/10W
	1-533-223-11	CLIP, FUSE ; F602		R1522	1-216-049-91	METAL GLAZE 1K	5% 1/10W
<b>&lt;IC&gt;</b>							
IC1501	8-759-192-71	IC STV9379		R1523	1-216-033-00	METAL GLAZE 220	5% 1/10W
IC1601	8-749-010-88	IC STK392-010		R1551	1-216-081-00	METAL GLAZE 22K	5% 1/10W
IC1602	8-749-010-88	IC STK392-010		R1552	1-216-063-91	METAL GLAZE 3.9K	5% 1/10W
IC1701	8-752-861-57	IC CXP85112B-613S		R1553	1-216-077-00	METAL GLAZE 15K	5% 1/10W
IC1702	8-759-041-54	IC MN1382S		R1554	1-216-049-91	METAL GLAZE 1K	5% 1/10W
IC1801	8-759-327-52	IC PM0002B		R1559	1-216-073-00	METAL GLAZE 10K	5% 1/10W
IC1802	8-759-327-51	IC PA0053B		R1562	1-216-025-91	METAL GLAZE 100	5% 1/10W
IC1803	8-759-012-67	IC MC7905CT		R1603	1-216-663-11	METAL CHIP 3.3K	0.50% 1/10W
IC1804	8-759-231-53	IC TA7805S		R1604	1-216-663-11	METAL CHIP 3.3K	0.50% 1/10W
IC1805	8-759-327-52	IC PM0002B		R1605	1-216-663-11	METAL CHIP 3.3K	0.50% 1/10W
IC1806	8-759-327-51	IC PA0053B		R1606	1-216-663-11	METAL CHIP 3.3K	0.50% 1/10W
IC1807	8-759-929-65	IC LM7912CT		R1607	1-216-663-11	METAL CHIP 3.3K	0.50% 1/10W
IC1808	8-759-701-79	IC NJM7812FA		R1608	1-214-729-00	METAL 1K	1% 1/4W
IC1809	8-759-327-52	IC PM0002B		R1612	1-214-729-00	METAL 1K	1% 1/4W
IC1931	8-759-711-28	IC NJM2058D		R1613	1-214-673-00	METAL 4.7	1% 1/4W
IC1932	8-759-711-28	IC NJM2058D		R1615	1-214-673-00	METAL 4.7	1% 1/4W
<b>&lt;COIL&gt;</b>							
L1501	1-412-533-21	INDUCTOR 47 $\mu$ H		R1616	1-214-673-00	METAL 4.7	1% 1/4W
L1502	1-412-533-21	INDUCTOR 47 $\mu$ H		R1618	1-214-673-00	METAL 4.7	1% 1/4W
L1503	1-412-524-11	INDUCTOR 8.2 $\mu$ H		R1619	1-214-673-00	METAL 4.7	1% 1/4W
L1515	1-410-470-11	INDUCTOR 10 $\mu$ H		R1620	1-214-673-00	METAL 4.7	1% 1/4W
L1516	1-410-482-31	INDUCTOR 100 $\mu$ H		R1621	1-214-673-00	METAL 4.7	1% 1/4W
L1701	1-410-470-11	INDUCTOR 10 $\mu$ H		R1622	1-214-673-00	METAL 4.7	1% 1/4W
L1801	1-406-975-21	COIL, CHOKE 47 $\mu$ H		R1623	1-214-729-00	METAL 1K	1% 1/4W
L1802	1-406-975-21	COIL, CHOKE 47 $\mu$ H		R1624	1-214-729-00	METAL 1K	1% 1/4W
<b>&lt;TRANSISTOR&gt;</b>							
Q1501	8-729-120-28	TRANSISTOR 2SC1623-LSL6		R1625	1-214-673-00	METAL 4.7	1% 1/4W
Q1502	8-729-120-28	TRANSISTOR 2SC1623-LSL6		R1626	1-214-673-00	METAL 4.7	1% 1/4W
Q1551	8-729-216-22	TRANSISTOR 2SA1162-G		R1627	1-214-673-00	METAL 4.7	1% 1/4W
Q1552	8-729-120-28	TRANSISTOR 2SC1623-LSL6		R1628	1-214-673-00	METAL 4.7	1% 1/4W
Q1701	8-729-120-28	TRANSISTOR 2SC1623-LSL6		R1629	1-214-673-00	METAL 4.7	1% 1/4W
Q1801	8-729-120-28	TRANSISTOR 2SC1623-LSL6		R1630	1-214-673-00	METAL 4.7	1% 1/4W
Q1802	8-729-216-22	TRANSISTOR 2SA1162-G		R1631	1-214-729-00	METAL 1K	1% 1/4W
Q1803	8-729-900-36	TRANSISTOR DTC124ES		R1632	1-214-673-00	METAL 4.7	1% 1/4W
Q1804	8-729-120-28	TRANSISTOR 2SC1623-LSL6		R1633	1-214-673-00	METAL 4.7	1% 1/4W
Q1805	8-729-900-36	TRANSISTOR DTC124ES		R1634	1-214-729-00	METAL 1K	1% 1/4W
<b>&lt;TRANSISTOR&gt;</b>							
Q1501	8-729-120-28	TRANSISTOR 2SC1623-LSL6		R1635	1-214-673-00	METAL 4.7	1% 1/4W
Q1502	8-729-120-28	TRANSISTOR 2SC1623-LSL6		R1636	1-214-673-00	METAL 4.7	1% 1/4W
Q1551	8-729-216-22	TRANSISTOR 2SA1162-G		R1637	1-214-673-00	METAL 4.7	1% 1/4W
Q1552	8-729-120-28	TRANSISTOR 2SC1623-LSL6		R1638	1-214-673-00	METAL 4.7	1% 1/4W
Q1701	8-729-120-28	TRANSISTOR 2SC1623-LSL6		R1639	1-214-673-00	METAL 4.7	1% 1/4W
Q1801	8-729-120-28	TRANSISTOR 2SC1623-LSL6		R1640	1-214-673-00	METAL 4.7	1% 1/4W
Q1802	8-729-216-22	TRANSISTOR 2SA1162-G		R1641	1-214-673-00	METAL 4.7	1% 1/4W
Q1803	8-729-900-36	TRANSISTOR DTC124ES		R1642	1-214-673-00	METAL 4.7	1% 1/4W
Q1804	8-729-120-28	TRANSISTOR 2SC1623-LSL6		R1643	$\Delta$ 1-202-967-91	FUSIBLE 0.1	10% 1/6W
Q1805	8-729-900-36	TRANSISTOR DTC124ES		R1644	$\Delta$ 1-202-967-91	FUSIBLE 0.1	10% 1/6W
<b>&lt;TRANSISTOR&gt;</b>							
Q1501	8-729-120-28	TRANSISTOR 2SC1623-LSL6		R1645	$\Delta$ 1-202-967-91	FUSIBLE 0.1	10% 1/6W
Q1502	8-729-120-28	TRANSISTOR 2SC1623-LSL6		R1646	$\Delta$ 1-202-967-91	FUSIBLE 0.1	10% 1/6W

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK				
R1647 $\Delta$	1-202-967-91	FUSIBLE	0.1	10%	1/6W	R1858	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R1648 $\Delta$	1-202-967-91	FUSIBLE	0.1	10%	1/6W	R1859	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1717	1-216-033-00	METAL GLAZE	220	5%	1/10W	R1860	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1721	1-216-033-00	METAL GLAZE	220	5%	1/10W	R1861	1-216-473-11	METAL OXIDE	56	5%	3W <b>F</b>
R1737	1-216-033-00	METAL GLAZE	220	5%	1/10W	R1862	1-216-473-11	METAL OXIDE	56	5%	3W <b>F</b>
R1740	1-216-025-91	METAL GLAZE	100	5%	1/10W	R1863	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1748	1-216-033-00	METAL GLAZE	220	5%	1/10W	R1864	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1749	1-216-295-91	CONDUCTOR, CHIP				R1865	1-216-473-11	METAL OXIDE	56	5%	3W <b>F</b>
R1751	1-216-081-00	METAL GLAZE	22K	5%	1/10W	R1866	1-216-473-11	METAL OXIDE	56	5%	3W <b>F</b>
R1752	1-216-073-00	METAL GLAZE	10K	5%	1/10W	R1868	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1760	1-216-295-91	CONDUCTOR, CHIP				R1869	1-216-685-11	METAL CHIP	27K	0.50%	1/10W
R1788	1-208-806-11	METAL CHIP	10K	0.50%	1/10W	R1870	1-216-685-11	METAL CHIP	27K	0.50%	1/10W
R1801	1-216-049-91	METAL GLAZE	1K	5%	1/10W	R1871	1-216-685-11	METAL CHIP	27K	0.50%	1/10W
R1802	1-216-049-91	METAL GLAZE	1K	5%	1/10W	R1872	1-216-685-11	METAL CHIP	27K	0.50%	1/10W
R1803	1-216-073-00	METAL GLAZE	10K	5%	1/10W	R1873	1-216-685-11	METAL CHIP	27K	0.50%	1/10W
R1804	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	R1874	1-216-685-11	METAL CHIP	27K	0.50%	1/10W
R1805	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W	R1875	1-208-824-11	METAL CHIP	56K	0.50%	1/10W
R1806	1-216-081-00	METAL GLAZE	22K	5%	1/10W	R1876	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1807	1-216-075-00	METAL GLAZE	12K	5%	1/10W	R1877	1-208-810-11	METAL CHIP	15K	0.50%	1/10W
R1808	1-216-049-91	METAL GLAZE	1K	5%	1/10W	R1878	1-208-806-11	METAL CHIP	10K	0.50%	1/10W
R1809	1-216-081-00	METAL GLAZE	22K	5%	1/10W	R1879	1-216-685-11	METAL CHIP	27K	0.50%	1/10W
R1810	1-216-097-91	METAL GLAZE	100K	5%	1/10W	R1880	1-216-768-11	METAL CHIP	470K	0.50%	1/10W
R1811	1-216-081-00	METAL GLAZE	22K	5%	1/10W	R1881	1-216-295-91	CONDUCTOR, CHIP			
R1812	1-216-097-91	METAL GLAZE	100K	5%	1/10W	R1883	1-216-677-11	METAL CHIP	12K	0.50%	1/10W
R1813	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	R1884	1-208-806-11	METAL CHIP	10K	0.50%	1/10W
R1814	1-216-699-11	METAL CHIP	100K	0.50%	1/10W	R1885	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1815	1-216-697-91	METAL CHIP	82K	0.50%	1/10W	R1886	1-216-031-00	METAL GLAZE	180	5%	1/10W
R1816	1-216-097-91	METAL GLAZE	100K	5%	1/10W	R1887	1-208-806-11	METAL CHIP	10K	0.50%	1/10W
R1817	1-216-033-00	METAL GLAZE	220	5%	1/10W	R1888	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R1818	1-216-025-91	METAL GLAZE	100	5%	1/10W	R1889	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R1819	1-216-025-91	METAL GLAZE	100	5%	1/10W	R1890	1-216-125-00	METAL GLAZE	1.5M	5%	1/10W
R1820	1-216-025-91	METAL GLAZE	100	5%	1/10W	R1891	1-208-806-11	METAL CHIP	10K	0.50%	1/10W
R1821	1-216-097-91	METAL GLAZE	100K	5%	1/10W	R1892	1-216-067-00	METAL GLAZE	5.6K	5%	1/10W
R1823	1-208-811-11	METAL CHIP	16K	0.50%	1/10W	R1893	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R1824	1-216-685-11	METAL CHIP	27K	0.50%	1/10W	R1894	1-249-389-91	CARBON	4.7	5%	1/4W <b>F</b>
R1825	1-216-685-11	METAL CHIP	27K	0.50%	1/10W	R1895	1-216-043-91	METAL GLAZE	560	5%	1/10W
R1826	1-216-685-11	METAL CHIP	27K	0.50%	1/10W	R1896 $\Delta$	1-249-389-91	CARBON	4.7	5%	1/4W <b>F</b>
R1827	1-216-685-11	METAL CHIP	27K	0.50%	1/10W	R1897	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R1828	1-216-685-11	METAL CHIP	27K	0.50%	1/10W	R1898	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R1829	1-216-685-11	METAL CHIP	27K	0.50%	1/10W	R1899	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R1830	1-216-025-91	METAL GLAZE	100	5%	1/10W	R1900	1-216-033-00	METAL GLAZE	220	5%	1/10W
R1831	1-216-049-91	METAL GLAZE	1K	5%	1/10W	R1901	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1832	1-216-677-11	METAL CHIP	12K	0.50%	1/10W	R1902	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1833	1-216-049-91	METAL GLAZE	1K	5%	1/10W	R1903	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1834	1-216-049-91	METAL GLAZE	1K	5%	1/10W	R1904	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1835	1-216-025-91	METAL GLAZE	100	5%	1/10W	R1905	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R1836	1-216-081-00	METAL GLAZE	22K	5%	1/10W	R1907	1-208-810-11	METAL CHIP	15K	0.50%	1/10W
R1837	1-208-806-11	METAL CHIP	10K	0.50%	1/10W	R1908	1-208-814-11	METAL CHIP	22K	0.50%	1/10W
R1838	1-216-651-11	METAL CHIP	1K	0.50%	1/10W	R1909	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1839	1-216-031-00	METAL GLAZE	180	5%	1/10W	R1910	1-216-685-11	METAL CHIP	27K	0.50%	1/10W
R1840	1-208-806-11	METAL CHIP	10K	0.50%	1/10W	R1911	1-216-685-11	METAL CHIP	27K	0.50%	1/10W
R1841	1-208-806-11	METAL CHIP	10K	0.50%	1/10W	R1912	1-216-685-11	METAL CHIP	27K	0.50%	1/10W
R1842	1-216-025-91	METAL GLAZE	100	5%	1/10W	R1913	1-216-685-11	METAL CHIP	27K	0.50%	1/10W
R1843	1-216-651-11	METAL CHIP	1K	0.50%	1/10W	R1914	1-216-685-11	METAL CHIP	27K	0.50%	1/10W
R1844	1-216-025-91	METAL GLAZE	100	5%	1/10W	R1915	1-216-685-11	METAL CHIP	27K	0.50%	1/10W
R1845	1-216-077-00	METAL GLAZE	15K	5%	1/10W	R1916	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1846	1-216-125-00	METAL GLAZE	1.5M	5%	1/10W	R1917	1-208-806-11	METAL CHIP	10K	0.50%	1/10W
R1847	1-208-806-11	METAL CHIP	10K	0.50%	1/10W	R1918	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R1848	1-216-077-00	METAL GLAZE	15K	5%	1/10W	R1919	1-208-822-11	METAL CHIP	47K	0.50%	1/10W
R1849	1-216-067-00	METAL GLAZE	5.6K	5%	1/10W	R1920	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R1850	1-216-097-91	METAL GLAZE	100K	5%	1/10W	R1923	1-216-677-11	METAL CHIP	12K	0.50%	1/10W
R1851	1-216-043-91	METAL GLAZE	560	5%	1/10W	R1925	1-216-031-00	METAL GLAZE	180	5%	1/10W
R1852	1-216-097-91	METAL GLAZE	100K	5%	1/10W	R1926	1-208-806-11	METAL CHIP	10K	0.50%	1/10W
R1853	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	R1927	1-216-125-00	METAL GLAZE	1.5M	5%	1/10W
R1854	1-216-025-91	METAL GLAZE	100	5%	1/10W	R1928	1-208-806-11	METAL CHIP	10K	0.50%	1/10W
R1855	1-216-097-91	METAL GLAZE	100K	5%	1/10W	R1931	1-216-698-11	METAL CHIP	91K	0.50%	1/10W
R1856	1-216-025-91	METAL GLAZE	100	5%	1/10W	R1935	1-218-766-11	METAL CHIP	390K	0.50%	1/10W
R1857	1-216-033-00	METAL GLAZE	220	5%	1/10W	R1937	1-208-806-11	METAL CHIP	10K	0.50%	1/10W
					R1938	1-208-810-11	METAL CHIP	15K	0.50%	1/10W	

Les composants identifiés par une trame et une marque  $\Delta$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

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REF. NO.	PART NO.	DESCRIPTION	REMARK		REF. NO.	PART NO.	DESCRIPTION	REMARK		
R1940	1-208-812-11	METAL CHIP	18K	0.50%	1/10W					
R1941	1-208-806-11	METAL CHIP	10K	0.50%	1/10W					
R1942	1-208-806-11	METAL CHIP	10K	0.50%	1/10W					
R1943	1-216-699-11	METAL CHIP	100K	0.50%	1/10W					
R1944	1-208-806-11	METAL CHIP	10K	0.50%	1/10W					
R1947	1-216-073-00	METAL GLAZE	10K	5%	1/10W					
R1948	1-216-093-00	METAL GLAZE	68K	5%	1/10W					
R1949	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W					
R1950	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W					
R1951	1-208-806-11	METAL CHIP	10K	0.50%	1/10W					
R1952	1-208-806-11	METAL CHIP	10K	0.50%	1/10W					
R1954	1-208-806-11	METAL CHIP	10K	0.50%	1/10W					
R1955	1-208-806-11	METAL CHIP	10K	0.50%	1/10W					
R1956	1-208-800-11	METAL CHIP	5.6K	0.50%	1/10W					
R1957	1-208-824-11	METAL CHIP	56K	0.50%	1/10W					
R1958	1-208-800-11	METAL CHIP	5.6K	0.50%	1/10W					
R1959	1-208-824-11	METAL CHIP	56K	0.50%	1/10W					
R1960	1-208-806-11	METAL CHIP	10K	0.50%	1/10W					
R1961	1-208-806-11	METAL CHIP	10K	0.50%	1/10W					
R1962	1-216-077-00	METAL GLAZE	15K	5%	1/10W					
R1963	1-216-073-00	METAL GLAZE	10K	5%	1/10W					
R1964	1-216-049-91	METAL GLAZE	1K	5%	1/10W					
R1965	1-216-073-00	METAL GLAZE	10K	5%	1/10W					
R1966	1-216-073-00	METAL GLAZE	10K	5%	1/10W					
R1967	1-216-071-00	METAL GLAZE	8.2K	5%	1/10W					
R1970	1-208-774-11	METAL CHIP	470	0.50%	1/10W					
R1971	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W					
R1981	1-216-473-11	METAL OXIDE	56	5%	3W	F				
R1982	1-216-473-11	METAL OXIDE	56	5%	3W	F				
R1983	1-216-077-00	METAL GLAZE	15K	5%	1/10W					
R1984	1-216-077-00	METAL GLAZE	15K	5%	1/10W					
R1985	1-216-025-91	METAL GLAZE	100	5%	1/10W					
<THERMISTOR>										
TH1501	1-807-925-11	THERMISTOR								
TH1801	1-808-269-11	THERMISTOR								
<CRYSTAL>										
X1701	1-579-917-11	VIBRATOR, CRYSTAL								
*****										
* A-1372-111-A HB BOARD, COMPLETE (KP-46V25/53V25)						*****				
<CAPACITOR>										
C1351	1-124-261-00	ELECT	10μF	20%	50V					
<IC>										
IC1531	8-741-790-11	RAY CATCHER ELEMENT	SBX1790-51							
<CONNECTOR>										
CN1389	* 1-564-518-11	PLUG, CONNECTOR	3P							
<RESISTOR>										
R1352	1-247-807-31	CARBON	100	5%	1/4W					
*****										
* A-1372-112-A HA BOARD, COMPLETE (KP-46V25/53V25)										
*****										
* A-1372-099-A HA BOARD, COMPLETE (KP-61V25)										
*****										
C1301 1-126-964-11 ELECT 10μF 20% 50V (KP-61V25)										
C1304 1-126-964-11 ELECT 10μF 20% 50V (KP-61V25)										
<CAPACITOR>										
C1341 1-564-524-11 PLUG, CONNECTOR 9P										
CN1347 * 1-564-521-11 PLUG, CONNECTOR 6P										
CN1349 * 1-564-518-11 PLUG, CONNECTOR 3P (KP-46V25/53V25)										
<CONNECTOR>										
C1346 1-564-524-11 PLUG, CONNECTOR 9P										
CN1347 * 1-564-521-11 PLUG, CONNECTOR 6P										
CN1349 * 1-564-518-11 PLUG, CONNECTOR 3P (KP-46V25/53V25)										
<DIODE>										
D1304 8-719-053-43 DIODE SLR-325VCT31										
D1305 8-719-053-43 DIODE SLR-325VCT31										
<IC>										
IC1301 8-741-780-51 IC SBX1780-51 (KP-61V25)										
<RESISTOR>										
R1302 1-249-416-11 CARBON 820 5% 1/4W										
R1303 1-249-417-11 CARBON 1K 5% 1/4W										
R1304 1-249-425-11 CARBON 4.7K 5% 1/4W										
R1305 1-249-411-11 CARBON 330 5% 1/4W										
R1306 1-249-411-11 CARBON 330 5% 1/4W										
R1307 1-249-420-11 CARBON 1.8K 5% 1/4W										
R1308 1-247-895-91 CARBON 470K 5% 1/4W										
R1309 1-247-895-91 CARBON 470K 5% 1/4W										
R1310 1-249-429-11 CARBON 10K 5% 1/4W										
R1311 1-247-815-91 CARBON 220 5% 1/4W										
R1312 1-247-804-11 CARBON 75 5% 1/4W										
R1313 1-535-303-00 LEAD, JUMPER (5.0mm) (KP-61V25)										
R1314 1-247-807-31 CARBON 100 5% 1/4W (KP-61V25)										
<SWITCH>										
S1301 1-571-731-11 SWITCH, TACTIL										
S1302 1-571-731-11 SWITCH, TACTIL										
S1303 1-571-731-11 SWITCH, TACTIL										
S1304 1-571-731-11 SWITCH, TACTIL										
S1305 1-571-731-11 SWITCH, TACTIL										
S1306 1-571-731-11 SWITCH, TACTIL										
S1307 1-571-731-11 SWITCH, TACTIL										
*****										
* A-1373-514-A U BOARD, COMPLETE										
*****										
<CAPACITOR>										
C1101 1-128-551-11 ELECT 22μF 20% 50V										
*****										

**U**

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK		
C1101	1-128-551-11	ELECT	22μF 20%	50V	D1124	8-719-110-36	DIODE RD13ESB2		
C1102	1-124-903-11	ELECT	1μF 20%	50V	D1125	8-719-109-66	DIODE RD3.3ESB2		
C1103	1-124-903-11	ELECT	1μF 20%	50V	D1126	8-719-110-17	DIODE RD10ESB2		
C1104	1-163-031-11	CERAMIC CHIP	0.01μF 50V		D1127	8-719-110-17	DIODE RD10ESB2		
C1105	1-128-551-11	ELECT	22μF 20%	50V	D1128	8-719-110-56	DIODE RD22ESB1		
C1106	1-128-551-11	ELECT	22μF 20%	50V	D1129	8-719-110-56	DIODE RD22ESB1		
C1107	1-124-903-11	ELECT	1μF 20%	50V	D1130	8-719-110-56	DIODE RD22ESB1		
C1108	1-124-903-11	ELECT	1μF 20%	50V	D1131	8-719-110-56	DIODE RD22ESB1		
C1109	1-128-551-11	ELECT	22μF 20%	50V	D1135	8-719-911-19	DIODE 1SS119-25		
C1110	1-124-903-11	ELECT	1μF 20%	50V					
C1111	1-124-903-11	ELECT	1μF 20%	50V					
C1121	1-126-935-11	ELECT	470μF 20%	16V					
C1122	1-163-117-00	CERAMIC CHIP	100PF 5%	50V	IC1101	8-752-068-46	IC CXA1855S		
C1123	1-124-903-11	ELECT	1μF 20%	50V	IC1102	8-759-701-59	IC NJM78M09FA		
C1124	1-128-551-11	ELECT	22μF 20%	50V					
C1125	1-124-903-11	ELECT	1μF 20%	50V					
C1126	1-104-665-11	ELECT	100μF 20%	25V					
C1127	1-104-663-11	ELECT	33μF 20%	25V					
C1128	1-163-117-00	CERAMIC CHIP	100PF 5%	50V	J1101	1-750-515-11	TERMINAL BLOCK, S 3P		
C1129	1-128-551-11	ELECT	22μF 20%	50V	J1102	1-750-517-11	JACK BLOCK, PIN 3P		
C1130	1-109-889-11	ELECT	1μF 20%	50V	J1103	1-750-545-11	JACK BLOCK, PIN 3P		
C1131	1-109-889-11	ELECT	1μF 20%	50V	J1104	1-750-517-11	JACK BLOCK, PIN 3P		
C1132	1-124-902-00	ELECT	0.47μF 20%	50V	J1105	1-750-516-11	JACK BLOCK, PIN 2P		
C1136	1-128-551-11	ELECT	22μF 20%	50V	J1106	1-563-760-11	JACK, MINIATUER (DIA. 3.5)		
C1137	1-164-232-11	CERAMIC CHIP	0.01μF 10%	50V	J1107	1-563-760-11	JACK, MINIATUER (DIA. 3.5)		
C1138	1-124-902-00	ELECT	0.47μF 20%	50V					
C1139	1-126-964-11	ELECT	10μF 20%	50V					
C1145	1-128-499-11	ELECT	220μF 20%	16V					
C1146	1-124-902-00	ELECT	0.47μF 20%	50V	L1101	1-410-476-11	INDUCTOR 33μH		
C1147	1-124-902-00	ELECT	0.47μF 20%	50V	L1104	1-410-473-11	INDUCTOR 18μH		
C1148	1-124-902-00	ELECT	0.47μF 20%	50V	L1105	1-410-494-11	INDUCTOR 1mH		
C1149	1-124-902-00	ELECT	0.47μF 20%	50V					
C1150	1-128-499-11	ELECT	220μF 20%	16V					
C1151	1-128-499-11	ELECT	220μF 20%	16V					
C1152	1-128-499-11	ELECT	220μF 20%	16V					
C1153	1-104-665-11	ELECT	100μF 20%	25V					
<b>&lt;CHIP CONDUCTOR&gt;</b>									
CJ1101	1-216-295-91	CONDUCTOR, CHIP							
<b>&lt;CONNECTOR&gt;</b>									
CN1147	* 1-564-509-11	PLUG, CONNECTOR 6P							
CN1150	1-573-300-21	CONNECTOR, BOARD TO BOARD 18P							
CN1155	* 1-565-928-11	CONNECTOR (TUB) 30P							
CN1156	* 1-566-641-11	CONNECTOR, HINGE (TAB) 18P							
CN1194	* 1-573-299-11	CONNECTOR, BOARD TO BOARD 10P							
<b>&lt;DIODE&gt;</b>									
D1101	8-719-110-17	DIODE RD10ESB2			R1101	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W
D1102	8-719-110-17	DIODE RD10ESB2			R1102	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W
D1103	8-719-110-17	DIODE RD10ESB2			R1103	1-247-804-11	CARBON 75	5%	1/4W
D1104	8-719-110-17	DIODE RD10ESB2			R1104	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W
D1105	8-719-110-17	DIODE RD10ESB2			R1105	1-247-804-11	CARBON 75	5%	1/4W
D1106	8-719-110-17	DIODE RD10ESB2			R1106	1-247-804-11	CARBON 75	5%	1/4W
D1107	8-719-110-17	DIODE RD10ESB2			R1107	1-216-113-00	METAL GLAZE 470K	5%	1/10W
D1108	8-719-110-17	DIODE RD10ESB2			R1108	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W
D1109	8-719-110-17	DIODE RD10ESB2			R1109	1-216-113-00	METAL GLAZE 470K	5%	1/10W
D1110	8-719-110-17	DIODE RD10ESB2			R1110	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W
D1111	8-719-110-17	DIODE RD10ESB2			R1111	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W
D1112	8-719-110-17	DIODE RD10ESB2			R1112	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W
D1113	8-719-110-17	DIODE RD10ESB2			R1113	1-247-804-11	CARBON 75	5%	1/4W
D1114	8-719-110-17	DIODE RD10ESB2			R1114	1-216-113-00	METAL GLAZE 470K	5%	1/10W
D1115	8-719-110-17	DIODE RD10ESB2			R1115	1-216-113-00	METAL GLAZE 470K	5%	1/10W
D1120	8-719-110-17	DIODE RD10ESB2			R1116	1-216-095-00	METAL GLAZE 82K	5%	1/10W
D1121	8-719-110-36	DIODE RD13ESB2			R1117	1-216-095-00	METAL GLAZE 82K	5%	1/10W
D1122	8-719-110-36	DIODE RD13ESB2			R1118	1-216-095-00	METAL GLAZE 82K	5%	1/10W
D1123	8-719-110-36	DIODE RD13ESB2			R1119	1-216-025-91	METAL GLAZE 100	5%	1/10W

ZR

ZG

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R1127	1-216-041-00	METAL GLAZE 470	5%	1/10W			
R1129	1-216-041-00	METAL GLAZE 470	5%	1/10W			
R1130	1-216-067-00	METAL GLAZE 5.6K	5%	1/10W			
R1132	1-216-025-91	METAL GLAZE 100	5%	1/10W	C1401	1-162-115-00	CERAMIC 330PF 10% 2KV
R1133	1-216-067-00	METAL GLAZE 5.6K	5%	1/10W	C1402	1-162-115-00	CERAMIC 330PF 10% 2KV
					C1403	1-102-978-00	CERAMIC 220PF 5% 50V
R1134	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W	C1404	1-107-638-11	ELECT 33μF 20% 160V
R1135	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W	C1405	1-104-665-11	ELECT 100μF 20% 25V
R1137	1-216-025-91	METAL GLAZE 100	5%	1/10W	C1406	1-107-370-11	FILM 0.1μF 10% 200V
R1138	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W	C1407	1-104-665-11	ELECT 100μF 20% 25V
R1140	1-216-025-91	METAL GLAZE 100	5%	1/10W	C1408	1-107-362-11	FILM 0.0047μF 10% 200V
R1141	1-216-041-00	METAL GLAZE 470	5%	1/10W	C1409	1-107-667-11	ELECT 2.2μF 20% 160V
R1142	1-216-025-91	METAL GLAZE 100	5%	1/10W	C1410	1-107-362-11	FILM 0.0047μF 10% 200V
R1145	1-216-051-00	METAL GLAZE 1.2K	5%	1/10W	C1411	1-137-364-11	FILM 0.001μF 5% 50V
R1146	1-216-051-00	METAL GLAZE 1.2K	5%	1/10W	C1412	1-137-364-11	FILM 0.001μF 5% 50V
R1149	1-216-041-00	METAL GLAZE 470	5%	1/10W	C1413	1-161-830-00	CERAMIC 0.0047μF 500V
R1150	1-216-025-91	METAL GLAZE 100	5%	1/10W	C1414	1-126-940-11	ELECT 330μF 20% 16V
R1151	1-216-025-91	METAL GLAZE 100	5%	1/10W	C1415	1-164-046-11	CERAMIC 10PF 0.5PF 50V
R1152	1-216-043-91	METAL GLAZE 560	5%	1/10W	C1416	1-102-973-00	CERAMIC 100PF 5% 50V
R1153	1-216-049-91	METAL GLAZE 1K	5%	1/10W			
R1154	1-216-041-00	METAL GLAZE 470	5%	1/10W			
R1155	1-216-049-91	METAL GLAZE 1K	5%	1/10W			
R1156	1-216-043-91	METAL GLAZE 560	5%	1/10W			
R1157	1-216-045-00	METAL GLAZE 680	5%	1/10W	CN1411	* 1-580-689-11	PIN, CONNECTOR (PC BOARD) 4P
R1158	1-216-043-91	METAL GLAZE 560	5%	1/10W	CN1412	* 1-564-507-11	PLUG, CONNECTOR 4P
R1159	1-216-045-00	METAL GLAZE 680	5%	1/10W	CN1413	* 1-564-506-11	PLUG, CONNECTOR 3P
R1160	1-216-049-91	METAL GLAZE 1K	5%	1/10W	CN1414	* 1-564-509-11	PLUG, CONNECTOR 6P
R1161	1-216-041-00	METAL GLAZE 470	5%	1/10W	CN1415	* 1-564-510-11	PLUG, CONNECTOR 7P
R1162	1-216-041-00	METAL GLAZE 470	5%	1/10W			
R1165	1-249-403-11	CARBON 68	5%	1/4W			
R1166	1-216-113-00	METAL GLAZE 470K	5%	1/10W			
R1167	1-216-113-00	METAL GLAZE 470K	5%	1/10W	D1401	8-719-110-88	DIODE RD39ESB2
R1168	1-216-113-00	METAL GLAZE 470K	5%	1/10W	D1402	8-719-110-88	DIODE RD39ESB2
R1169	1-216-025-91	METAL GLAZE 100	5%	1/10W			
R1170	1-216-041-00	METAL GLAZE 470	5%	1/10W			
R1171	1-216-041-00	METAL GLAZE 470	5%	1/10W			
R1172	1-216-025-91	METAL GLAZE 100	5%	1/10W	Q1401	8-729-017-06	TRANSISTOR 2SC4793
R1173	1-216-025-91	METAL GLAZE 100	5%	1/10W	Q1402	8-729-017-05	TRANSISTOR 2SA1837
R1174	1-216-041-00	METAL GLAZE 470	5%	1/10W	Q1403	8-729-140-96	TRANSISTOR 2SD774-34
R1175	1-216-025-91	METAL GLAZE 100	5%	1/10W			
R1176	1-216-025-91	METAL GLAZE 100	5%	1/10W			
R1178	1-216-041-00	METAL GLAZE 470	5%	1/10W	R1401	1-249-414-11	CARBON 560 5% 1/4W
R1179	1-216-025-91	METAL GLAZE 100	5%	1/10W	R1402	1-249-414-11	CARBON 560 5% 1/4W
R1180	1-216-025-91	METAL GLAZE 100	5%	1/10W	R1403	1-202-822-00	SOLID 2.2K 20% 1/2W
R1181	1-216-097-91	METAL GLAZE 100K	5%	1/10W	R1404	1-202-822-00	SOLID 2.2K 20% 1/2W
R1182	1-216-113-00	METAL GLAZE 470K	5%	1/10W	R1405	1-249-417-11	CARBON 1K 5% 1/4W
R1183	1-216-049-91	METAL GLAZE 1K	5%	1/10W	R1406	1-216-479-11	METAL OXIDE 560 5% 3W F
R1184	1-216-113-00	METAL GLAZE 470K	5%	1/10W	R1407	1-249-400-11	CARBON 39 5% 1/4W F
R1185	1-216-049-91	METAL GLAZE 1K	5%	1/10W	R1408	1-249-384-11	CARBON 1.8 5% 1/4W F
R1186	1-216-061-00	METAL GLAZE 3.3K	5%	1/10W	R1409	1-249-384-11	CARBON 1.8 5% 1/4W F
R1187	1-216-061-00	METAL GLAZE 3.3K	5%	1/10W	R1410	1-247-734-11	CARBON 39 5% 1/2W F
R1188	1-216-097-91	METAL GLAZE 100K	5%	1/10W	R1411	1-249-417-11	CARBON 1K 5% 1/4W F
R1193	1-216-025-91	METAL GLAZE 100	5%	1/10W	R1412	1-249-414-11	CARBON 560 5% 1/4W
R1194	1-216-025-91	METAL GLAZE 100	5%	1/10W	R1413	1-249-432-11	CARBON 18K 5% 1/4W
R1195	1-216-025-91	METAL GLAZE 100	5%	1/10W	R1414	1-249-432-11	CARBON 18K 5% 1/4W
R1196	1-216-041-00	METAL GLAZE 470	5%	1/10W	R1415	1-249-414-11	CARBON 560 5% 1/4W F
R1197	1-216-041-00	METAL GLAZE 470	5%	1/10W	R1416	1-216-451-11	METAL OXIDE 120 5% 2W F
					R1417	1-216-475-11	METAL OXIDE 120 5% 3W F
					R1418	1-249-377-11	CARBON 0.47 5% 1/4W F
					R1419	1-247-815-91	CARBON 220 5% 1/4W
					R1420	1-216-475-11	METAL OXIDE 120 5% 3W F
TB1101	1-537-712-11	TERMINAL, PUSH			R1421	1-249-417-11	CARBON 1K 5% 1/4W

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\* A-1390-487-A ZR BOARD, COMPLETE  
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4-382-854-11 SCREW (M3X10), P, SW (+)

\* A-1390-489-A ZG BOARD, COMPLETE  
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**ZG**

**ZB**

REF. NO. PART NO. DESCRIPTION REMARK

**<CAPACITOR>**

C1431 1-162-115-00 CERAMIC 330PF 10% 2KV  
C1432 1-162-115-00 CERAMIC 330PF 10% 2KV  
C1433 1-102-973-00 CERAMIC 100PF 5% 50V

**<CONNECTOR>**

CN1441 \* 1-580-689-11 PIN, CONNECTOR (PC BOARD) 4P  
CN1442 \* 1-564-507-11 PLUG, CONNECTOR 4P  
CN1443 \* 1-564-506-11 PLUG, CONNECTOR 3P  
CN1445 \* 1-564-510-11 PLUG, CONNECTOR 7P

**<RESISTOR>**

R1431 1-249-414-11 CARBON 560 5% 1/4W  
R1432 1-249-414-11 CARBON 560 5% 1/4W  
R1433 1-202-822-00 SOLID 2.2K 20% 1/2W  
R1434 1-202-822-00 SOLID 2.2K 20% 1/2W  
R1435 1-216-475-11 METAL OXIDE 120 5% 3W F  
R1436 1-216-475-11 METAL OXIDE 120 5% 3W F  
R1437 1-249-417-11 CARBON 1K 5% 1/4W

\* A-1390-491-A ZB BOARD, COMPLETE

**<CAPACITOR>**

C1461 1-162-115-00 CERAMIC 330PF 10% 2KV  
C1462 1-162-115-00 CERAMIC 330PF 10% 2KV

**<CONNECTOR>**

CN1471 \* 1-580-689-11 PIN, CONNECTOR (PC BOARD) 4P  
CN1472 \* 1-564-507-11 PLUG, CONNECTOR 4P  
CN1473 \* 1-564-506-11 PLUG, CONNECTOR 3P

**<RESISTOR>**

R1461 1-249-414-11 CARBON 560 5% 1/4W  
R1462 1-249-414-11 CARBON 560 5% 1/4W  
R1463 1-202-822-00 SOLID 2.2K 20% 1/2W  
R1464 1-202-822-00 SOLID 2.2K 20% 1/2W  
R1465 1-216-475-11 METAL OXIDE 120 5% 3W F  
R1466 1-216-475-11 METAL OXIDE 120 5% 3W F

**<MISCELLANEOUS>**

A.1-223-925-1 RESISTOR ASSY (HIGH VOLTAGE)  
1-417-178-11 SELECTOR, ANTENNA (AS-2)  
A.1-452-790-1 NECK ASSY  
A.1-452-790-21 NECK ASSY  
1-504-785-11 SPEAKER (10CM)

1-556-945-21 CABLE, P-P  
\* 1-557-056-41 CABLE, P-P  
A.1-769-837-11 CORD, POWER (WITH NOISE FILTER) (7.0A/125V)  
A.1-900-211-34 LEAD ASSY, HV  
A.8-451-463-11 DEFLECTION YOKE (Y829PA2N) (R), (G)

Les composants identifiés par une trame et une marque **▲** sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark **▲** are critical for safety. Replace only with part number specified.

REF. NO. PART NO. DESCRIPTION REMARK

A.8-451-463-21 DEFLECTION YOKE (Y829PA2N2) (B)  
A.8-598-955-00 BLOCK ASSY, HIGH VOLTAGE  
8-741-797-01 FILTER, DIGITAL COM SBX1797-01  
V901 A.8-736-080-05 PICTURE TUBE 07MAB5(R) (KP-46V25)  
V901 A.8-736-082-05 PICTURE TUBE 07MAB6(R) (KP-53V25/61V25)  
V902 A.8-736-078-05 PICTURE TUBE 07MAB5(G)  
V903 A.8-736-079-05 PICTURE TUBE 07MAB5(B) (KP-46V25)  
V903 A.8-736-081-05 PICTURE TUBE 07MAB6(B) (KP-53V25/61V25)

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**<ACCESSORIES AND PACKING MATERIALS>**  
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X-4032-707-1 DOOR (L) ASSY, RACK (KP-46V25/53V25)  
X-4032-708-1 DOOR (R) ASSY, RACK (KP-46V25/53V25)  
X-4032-709-1 DOOR ASSY, RACK (KP-61V25)  
3-800-353-21 MANUAL, INSTRUCTION  
3-800-353-31 MANUAL, INSTRUCTION  
(KP-46V25/53V25Canadian)

4-048-634-01 SHAFT  
\* 4-037-674-01 BOARD, TOP (KP-46V25)  
\* 4-047-603-01 CUSHION (UPPER) (ASSY) (KP-46V25)  
\* 4-047-604-01 CUSHION (LOWER) (ASSY) (KP-46V25)  
\* 4-047-606-01 TRAY (KP-46V25)

\* 4-047-607-01 BOARD, BOTTOM (KP-46V25)  
\* 4-047-608-01 INDIVIDUAL CARTON (KP-46V25)  
\* 4-049-276-01 SHEET, PROTECTION (KP-46V25)  
\* 4-049-923-01 CUSHION (UPPER) (ASSY) (KP-46V25)  
4-048-790-01 GLASS (53), DOOR (KP-46V25/53V25)

\* 4-041-426-01 BAG, PROTECTION (KP-46V25/53V25)  
\* 4-047-774-01 PLATE, TOP (KP-53V25)  
\* 4-048-087-01 CUSHION (UPPER) (ASSY) (KP-53V25)  
\* 4-048-088-01 CUSHION (LOWER) (ASSY) (KP-53V25)  
\* 4-049-023-01 BOARD, BOTTOM (KP-53V25)

\* 4-049-024-01 TRAY (KP-53V25)  
\* 4-049-031-01 INDIVIDUAL CARTON (KP-53V25)  
\* 4-049-508-01 CUSHION (FRONT) (ASSY) (KP-53V25)  
\* 4-042-463-01 SHEET, PROTECTION (KP-53V25/61V25)  
\* 4-049-193-01 BAG, POLYETHYLENE (KP-53V25/61V25)

4-048-791-01 GLASS (61), DOOR (KP-61V25)  
\* 4-047-553-01 INDIVIDUAL CARTON (KP-61V25)  
\* 4-047-554-01 TRAY (KP-61V25)  
\* 4-047-555-01 PLATE, TOP (KP-61V25)  
\* 4-047-556-01 BOARD, BOTTOM (KP-61V25)

\* 4-047-557-01 CUSHION (UPPER) (ASSY) (KP-61V25)  
\* 4-047-558-01 CUSHION (LOWER) (ASSY) (KP-61V25)  
\* 4-047-559-01 CUSHION (LEFT UPPER) (KP-61V25)  
\* 4-047-560-01 CUSHION (RIGHT UPPER) (KP-61V25)  
\* 4-047-561-01 CUSHION (LEFT LOWER) (KP-61V25)

\* 4-047-562-01 CUSHION (RIGHT LOWER) (KP-61V25)  
\* 4-049-922-01 BLOCK, FOAM (KP-61V25)  
\* 4-049-952-01 BAG, PROTECTION (KP-61V25)

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**<ACCESSORIES AND PACKING MATERIALS>**  
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REMOTE COMMANDER

1-473-094-11 REMOTE COMMANDER (RM-Y131)  
POCKET, COVER (FOR RM-Y131)